

AD-A148 400

CLIMATE AT CRREL (COLD REGIONS RESEARCH & ENGINEERING
LABORATORY) HANOVER NEW HAMPSHIRE(U) COLD REGIONS
RESEARCH AND ENGINEERING LAB HANOVER NH R E BATES
AUG 84 CRREL-SR-84-24

1/1

UNCLASSIFIED

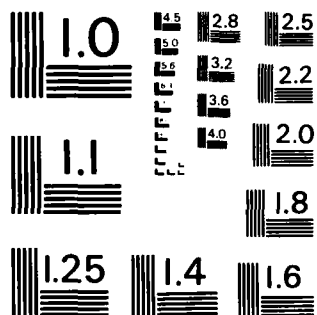
F/G 4/2

NL

END

FORMED

FILE



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

12

Special Report 84-24

August 1984



US Army Corps
of Engineers

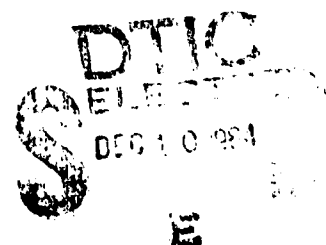
Cold Regions Research &
Engineering Laboratory

Climate at CRREL, Hanover, New Hampshire

Roy E. Bates

AD-A148 400

DTIC FILE COPY



Prepared for
OFFICE OF THE CHIEF OF ENGINEERS
Approved for public release; distribution is unlimited.

REPRODUCED AT GOVERNMENT EXPENSE

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM	
1. REPORT NUMBER Special Report 84-24	2. GOVT ACCESSION NO. AD-A48400	3. RECIPIENT'S CATALOG NUMBER	
4. TITLE (and Subtitle) CLIMATE AT CRREL, HANOVER, NEW HAMPSHIRE		5. TYPE OF REPORT & PERIOD COVERED	
		6. PERFORMING ORG. REPORT NUMBER	
7. AUTHOR(s) Roy E. Bates		8. CONTRACT OR GRANT NUMBER(s)	
9. PERFORMING ORGANIZATION NAME AND ADDRESS U.S. Army Cold Regions Research and Engineering Laboratory Hanover, New Hampshire		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS DA Project 4A762730AT4202	
11. CONTROLLING OFFICE NAME AND ADDRESS Office of the Chief of Engineers Washington, DC 20314		12. REPORT DATE August 1984	
		13. NUMBER OF PAGES 84	
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) Unclassified	
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE	
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution is unlimited.			
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)			
18. SUPPLEMENTARY NOTES			
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climate Hanover, New Hampshire Meteorological data			
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) A 10-year climatological record of meteorological data collected at the CRREL meteorological station is presented for the period October 1972 through December 1982. Data presented include air temperature, heating and freezing degree-days, relative humidity, dew point, precipitation, snowfall, wind speed and direction, solar radiation and evaporation. Air temperature and precipitation monthly and annually are compared statistically to the 30-year normal and the period-of-record normal for Hanover, New Hampshire. The appendix gives daily and monthly values for the entire period of record. Some comparisons are made between the 10-year averages and the long-term normals.			

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

PREFACE

This report was prepared by Roy E. Bates, Meteorologist, Geophysical Sciences Branch, Research Division, U.S. Army Cold Regions Research and Engineering Laboratory. Funding was provided under DA Project 4A762730AT4202, Cold Regions Combat Development Support; Materials, Climatology, Terrain.

The author expresses appreciation to the U.S. Army Atmospheric Sciences Laboratory (White Sands, New Mexico) meteorological detachment based at CRREL who, over the 10-year period covered by this report, furnished instrumentation and assisted in calibration and tabulation of the data.

The technical reviewers of this report were Walter Tucker and Richard Haugen, both of CRREL, and the author thanks them for their helpful suggestions.

The contents of this report are not to be used for advertising or promotional purposes. Citation of brand names does not constitute an official endorsement or approval of the use of such commercial products.



Accession For	
NTIS GRA&I	<input checked="checked" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By _____	
Distribution/	
Availability Codes	
Dist _____	
A-1	

CONTENTS

	<u>Page</u>
Abstract.....	1
Preface.....	11
Conversion factors.....	iv
Introduction.....	1
Meteorological data acquisition.....	1
Meteorological instrumentation.....	1
Air temperature.....	4
Heating degree-days.....	6
Freezing degree-days.....	7
Precipitation.....	9
Snow cover.....	11
Wind speed and direction.....	13
Solar radiation.....	14
Evaporation.....	14
Summary.....	14
Literature cited.....	16
Appendix A. Daily meteorological summaries for Hanover, New Hampshire from October 1972 to December 1982.....	17

ILLUSTRATIONS

Figure

1. CRREL meteorological station.....	2
2. Average monthly air temperature for each month of the 10-year study period.....	5
3. Comparison of average monthly air temperatures for the 10-year study period to that for the previous 30 years.....	6
4. Freezing degree-days.....	8
5. Precipitation for each month of the 10-year study period.....	10
6. Comparison of precipitation for the 10-year study period to that of the previous 30 years.....	11
7. Snow depth.....	12

TABLES

Table

1. Meteorological instrumentation.....	3
2. Mean monthly air temperature.....	4
3. Heating degree-days.....	7
4. Freezing degree-days.....	8
5. Precipitation.....	9
6. Wind direction and speed.....	13
7. Solar radiation.....	15
8. Monthly evaporation.....	15

CONVERSION FACTORS: U.S. CUSTOMARY TO METRIC (SI)
UNITS OF MEASUREMENT

These conversion factors include all the significant digits given in the conversion tables in the ASTM Metric Practice Guide (E 380), which has been approved for use by the Department of Defense. Converted values should be rounded to have the same precision as the original (see E 380).

Multiply	By	To obtain
inches	25.4	millimetres
miles per hour	0.4470400	metres per second
millibars	100.0000	pascals

CLIMATE AT CRREL,
HANOVER, NEW HAMPSHIRE

by

Roy E. Bates

INTRODUCTION

In September 1972, CRREL established a meteorological station with the wastewater management project as the major user. By July 1973, the meteorological measurements at this station became similar to those of a first-order National Weather Service Station. Meteorological data measured hourly by the Atmospheric Sciences Laboratory (ASL) Maynard Meteorological Team for CRREL include air temperature, relative humidity, dewpoint, station pressure, water equivalent precipitation, wind speed and direction, and solar radiation. Evaporation, total snowfall and snow depth on the ground are measured daily, and freezing, heating and cooling degree-days are calculated daily.

Since the establishment of the meteorological station, these data have been used for many research projects at CRREL. During the last 3 years the highly accurate data were used for the battlefield obscuration experiments. This report summarizes and discusses these climatological data measured at CRREL during the last 10 years and gives comparisons to the long-term Hanover, New Hampshire (Dartmouth College), data base. Station pressure data, available hourly in CRREL files, were not tabulated for this study. Although portions of these data were presented by Bilello and Bates (1978) and by Iskandar et al. (1979), this report provides a more complete 10-year summary for the years 1973-1982.

METEOROLOGICAL DATA ACQUISITION

Meteorological instrumentation

Meteorological instruments were temporarily installed during September and October 1972 in an open field west of the main CRREL building. After the wastewater test cells were completed (July 1973), the equipment was moved adjacent to the cells (Fig. 1). The geographical description of the site is as follows:

Elevation - 155 m above m.s.l. (510 ft above m.s.l.)

Latitude - 43°43' N

Longitude - 72°16' W.



a. Outdoor site.



b. Instrumentation room.

Figure 1. CRREL meteorological station.

Table 1. Meteorological instrumentation.

Parameter	Explanation	Sensor	Unit of Measure†
Station pressure	Atmospheric pressure at site evaluated on the hour	Recording microbarograph	Millibars (to the nearest 0.1 mb)
Precipitation	Amount of liquid precipitation evaluated for an hourly total	Weighting type, 8-in. recording rain gauge	Millimetres (to nearest 0.01 mm)
Dry bulb temperature	Ambient temperature evaluated on the hour	Recording hydrothermograph	Degrees Celsius (to nearest 0.5°C)
Relative humidity	Relative humidity of ambient evaluated on the hour	Recording hydrothermograph	Percent
Snow depth*	Amount of snow accumulation	Snow measuring stake	Centimetres (to nearest 0.5 cm)
Wind speed	Wind speed and direction measured 4 m above surface; evaluated for an hourly average, peak gusts with time and direction both daily and monthly, and a prevailing wind direction for the day.	GM11 wind set	In degrees with reference to true north (to nearest 10 degrees)
Wind direction		GM11 wind set	Metres per second (m/s)
Vertical Eppley radiation	Total incoming solar radiation falling on a horizontal plane. Evaluated for an hourly average.	Eppley pyrheliometer	Joules (25 J/cm ² hr)
Inverted Eppley radiation	Reflected incoming solar radiation falling on a horizontal plane. Evaluated for an hourly average.	Eppley pyrheliometer	Joules (25 J/cm ² hr)
Evaporation	Evaluated for a daily total.	Russian X-3 pan	Millimetres per day (to nearest 0.1 mm)

* Snow depth is measured by the observer when the site is visited.

† Measurements recorded in or converted to SI units after June 1977.

Meteorological instruments were then added to expand measurements from air temperature, precipitation, wind and relative humidity only to include the parameters summarized in Table 1. In July 1977, temperature, dewpoint and precipitation were recorded in or converted to the SI units. Beginning with May 1978, all meteorological data collected at CRREL were tabulated in the SI units. By January 1983, all meteorological sensors at CRREL were changed to state of the art millivolt output types that were connected to a data logger that transmits, by telephone modem, the measurements to CRREL's Prime computer for automatic processing into monthly climatic summaries.

All monthly meteorological summary data are available at CRREL in booklets that contain hourly summaries. More than 10 years of daily data (October 1972 through December 1982) are tabulated in this report (Appendix A). This information is the basis for the following discussion of the meteorological parameters.

Air temperature

Air temperatures are measured hourly at the CRREL meteorological facility. Maximum, minimum and mean temperatures tabulated for each day between October 1972 and December 1982 are presented in Appendix A. Average monthly air temperatures computed from the daily values are summarized, plotted and compared to each other and to the 10-year average in Table 2 and Figures 2 and 3. Table 2 also compares the 10-year monthly average to the current 30-year normal (1941-70) and to the period of record since 1885 for Hanover, New Hampshire. Figure 2 compares the mean temperature for each month of the study period to the 10-year monthly average. Figure 3 compares the 10-year averages with 30-year normal.

This material reveals that the last 10 years have been colder than the previous 30 years, as recorded at the Hanover, New Hampshire, co-op station (U.S. Department of Commerce 1975b). However, this deviation may actually be caused by temperature differences between the two locations. This is most apparent during time periods of mid-August to mid-November and mid-December through February. The coldest year during study period at CRREL was 1978, when the temperature averaged 1.3°C below the 30-year normal (Table 2).

Table 2. Mean monthly air temperature (°C).

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Avg.
1972	--	--	--	--	--	--	--	--	--	6	0	-7	
1973	-6	-8	3	7	11	18	20	21	13	8	2	-4	7.1
1974	-7	-8	-1	7	13	17	21	20	14	6	2	-3	6.8
1975	-6	-6	-2	3	16	17	22	19	13	9	5	-7	6.9
1976	-12	-3	-1	9	12	18	20	18	13	7	-1	-9	6.0
1977	-13	-7	2	6	14	16	19	19	14	7	4	-5	6.3
1978	-9	-11	-3	4	14	17	20	19	12	8	2	-5	5.7
1979	-7	-12	2	6	13	18	22	19	14	8	5	-2	7.2
1980	-7	-8	-1	6	13	16	21	20	15	8	1	-8	6.3
1981	-12	-2	0	7	14	19	20	18	15	7	2	-5	6.9
1982	-13	-11	-1	5	14	17	21	19	16	10	6	0	6.9
10-year													
mean	-9.2	-7.6	-0.2	6.0	13.4	17.3	20.6	19.2	13.9	7.8	2.1	-4.8	6.6
30-year*													
mean	-7.8	-6.2	-0.5	6.4	12.5	18.1	20.6	19.4	15.2	9.3	2.6	-5.1	7.0
Mean													
1885 to 1970	-7.8	-7.1	-1.4	6.0	12.7	17.6	20.4	19.0	14.9	8.7	1.7	-5.5	6.6

* 1941 to 1970.

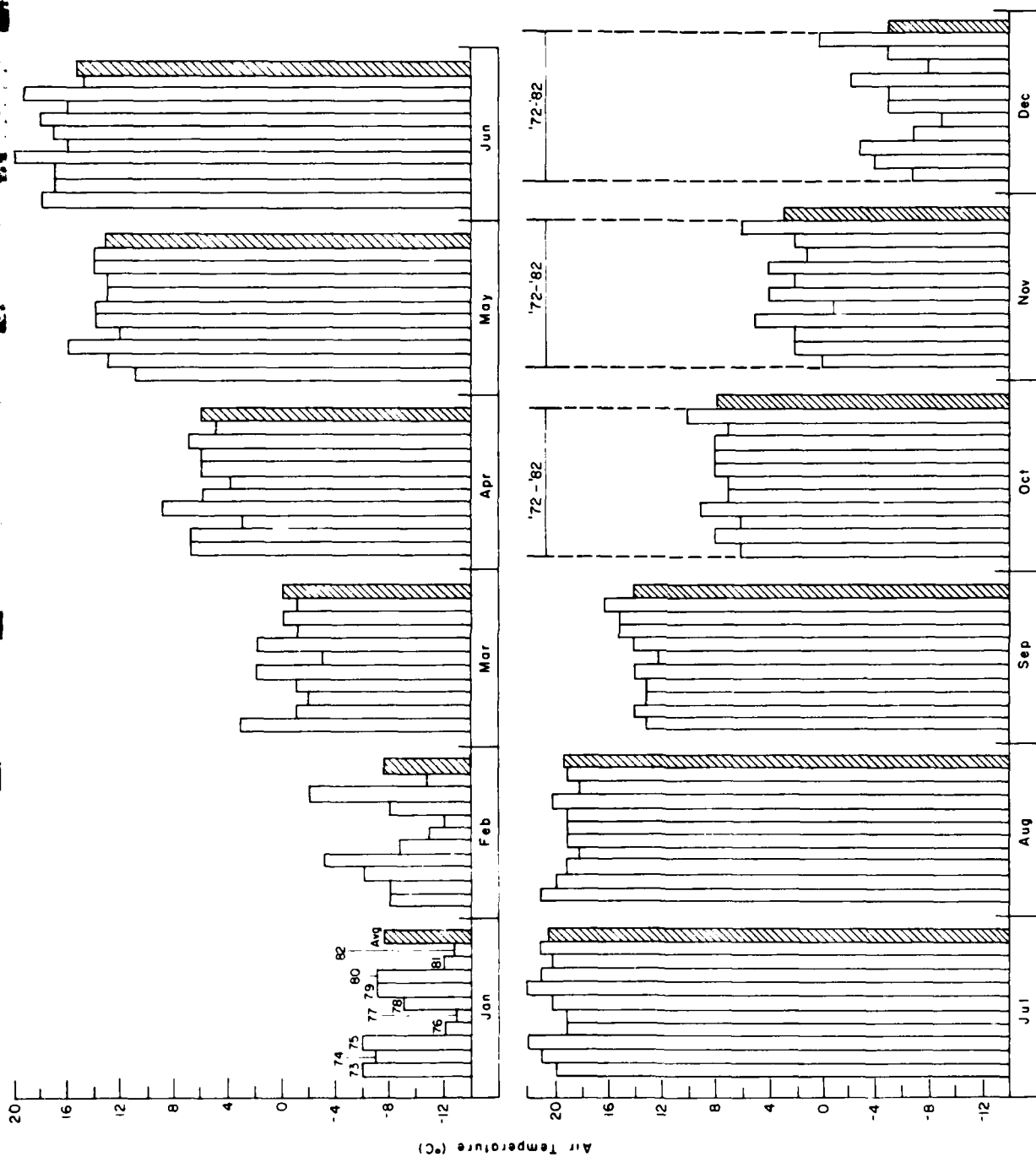


Figure 2. Average monthly air temperature for each month of the 10-year study period.

The warmest years were 1973 and 1979, both of which had a mean temperature approximately equal to the Hanover, New Hampshire, 30-year normal of 7.0°C.

A broad range of temperatures are experienced in the local area. The 10-year mean daily maximum temperature is 20.6°C (July) and the 10-year mean daily minimum temperature is -9.2°C (January). Air temperature has the greatest variability in January (S.D. [standard deviation] of 3.0°C) and February (S.D. of 3.3°C). In contrast, the smallest year to year variation is during June (S.D. of 0.9°C) and August (S.D. of 0.9°C).

1976 is the most notable year of the study period in terms of temperature departures (also in terms of precipitation and winds); 7 months in 1976 were more than one standard deviation away from the 10-year mean (3 months warmer, 4 months colder). In contrast to the other 9 years, the summertime high for 1976 was reached in June rather than in July (Appendix A). Furthermore, the 1976-77 winter was the coldest of the decade, with significantly lower than normal temperatures beginning in mid-October and continuing through January. The only other comparable extended cold period during the 10 study years occurred from February through April 1978 when temperatures remained one standard deviation below the 10-year mean. With the exception of the two aforementioned examples, there were no prolonged periods (i.e., more than 2 months) of lower or higher than normal temperatures.

Heating degree-days

Heating degree-days were calculated in °F -- with a 65°F base, which is common practice -- for the Facility Engineer. Each heating period of 12 months begins in July (Table 3) because this format allows comparison with the long-term (1941-70) heating degree-day values (these values are also given in °C in Table 3). As previously mentioned, a monthly comparison reveals that in general the past 10 years (with an average of 8029 heating degree-days per year) were colder than the previous 30 years (30-year average of 7680 heating degree days per year) (U.S. Department of Commerce 1975b).

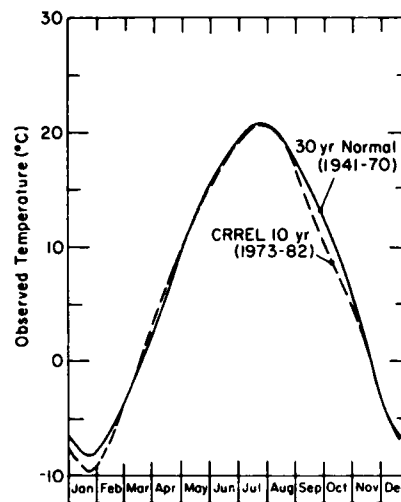


Figure 3. Comparison of average monthly air temperatures for the 10-year study period to that for the previous 30 years (1941-1970).

Table 3. Heating degree-days.

Year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
65°F base													
1972-73	5*	6*	247*	704	981	1385	1364	1344	837	630	403	98	8004
1973-74	40	25	270	558	930	1189	1368	1324	1225	600	435	81	8045
1974-75	20	20	216	702	832	1158	1346	1241	1144	831	198	125	7883
1975-76	5	57	239	514	708	1425	1697	1134	1033	536	384	56	7788
1976-77	26	74	300	662	1014	1532	1738	1259	893	644	292	142	8576
1977-78	68	74	256	550†	734	1276	1523	1466	1198	777	282	131	8335
1978-79	69	56	318	576	918	968	1397	1467	922	681	297	98	7767
1979-80	33	97	228	588	686	1086**	1402	1394	1070	650	314	173	7721
1980-81	23	25	217	601	951	1479	1704	1006	1010	588	274	50	7928
1981-82	28	34	205	630	864	1298	1764	1293	1088	753	238	94	8289
1982-83	25	55	134	477	674	1032							
10-year mean	34	52	238	586	862	1279	1530	1293	1042	669	312	105	8029
30-year mean	16	41	186	502	849	1308	1454	1240	1054	642	322	66	7680
18.33°C base													
1972-73	2.8*	3.3*	137.2*	391.1	545.0	769.4	757.8	746.7	465.0	350.0	223.9	54.4	444.7
1973-74	22.2	13.9	150.0	310.0	516.7	660.6	760.0	755.6	680.6	333.3	241.7	45.0	4470
1974-75	11.1	11.1	120.0	390.0	462.2	643.3	747.8	689.4	635.6	461.7	110.0	69.4	4352
1975-76	2.8	31.7	132.8	285.6	393.3	791.7	942.8	630.0	573.9	297.8	215.3	31.1	4527
1976-77	14.4	41.1	166.7	367.8	563.3	851.1	965.5	699.4	496.1	357.8	162.2	78.9	4764
1977-78	37.5	41.2	142.2	305.6†	408.0	708.6	846.1	814.4	665.8	431.7	156.9	72.6	4631
1978-79	38.1	31.3	176.6	320.2	509.9	537.7	776.2	815.2	512.2	378.4	165.2	54.3	4315
1979-80	18.1	53.9	126.8	326.9	381.4	603.2**	778.7	774.6	594.7	360.9	174.4	55.9	4290
1980-81	13.0	14.0	120.4	333.7	528.4	821.7	946.7	558.7	561.2	326.4	152.2	27.8	4404
1981-82	15.6	18.6	113.9	349.7	479.9	721.2	980.2	718.3	604.3	418.4	132.0	52.0	4604
1982-83	14.0	30.3	74.3	265.0	373.2	572.0							
10-year mean	17.2	26.4	132.8	331.4	469.2	698.2	850.2	718.2	578.9	371.6	173.2	58.1	
30-year mean	8.9	22.8	103.3	278.9	471.7	726.7	807.8	688.9	585.6	356.6	178.9	36.7	4267

* data from Hanover, New Hampshire, co-op station.

† 3 days missing

** 2 days missing

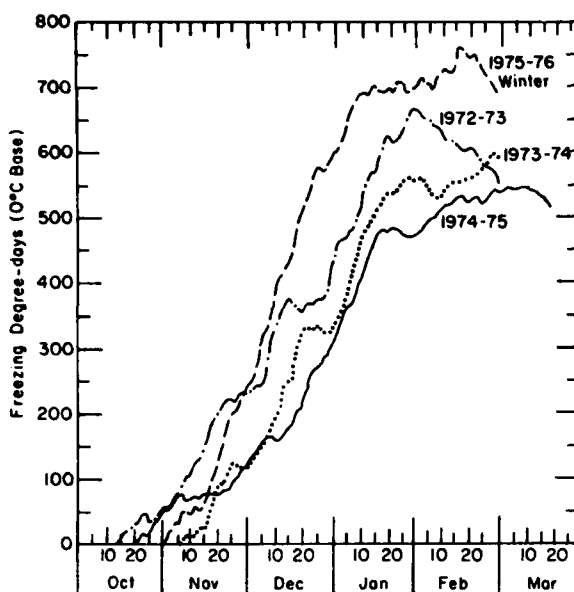
The only exceptions are December, March and May, which had fewer heating degree-days than the 30-year average.

January, as expected, has the greatest number of heating degree-days (average of 1530). The greatest monthly total of heating degree-days in the 10-year period (1738) was recorded in January 1976. In contrast, July 1972 and 1975 had the fewest heating degree-days (5). July, as expected, nearly always records the least heating degree-days (33).

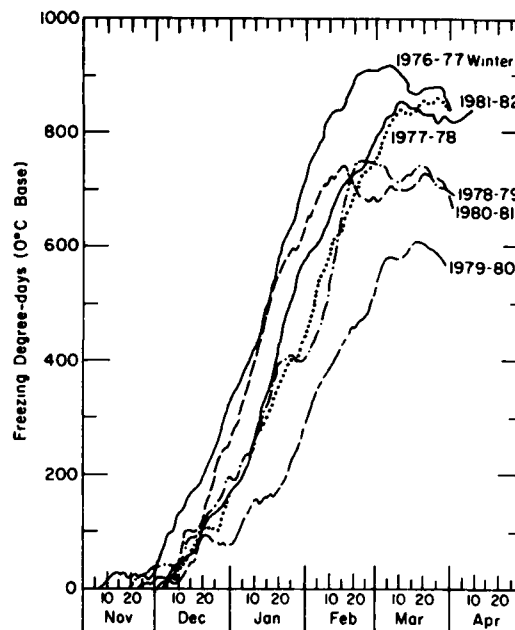
Freezing degree-days

In addition to using air temperatures for monthly and yearly comparisons, they were also used to examine winter severity, i.e., predictions of ice formation and frost penetration. Freezing degree-day (0°C base) curves were computed for the 10 winters (Fig. 4). The mean of the accumulated freezing degree-days for the 10 years was 732, with a range of 546 (1974-75) to 938 (1976-77). Table 4 presents freezing degree-days (°C) for the 10-year study period.

Freezing degree-days usually begin to accumulate in late November or early December and reach a peak sometime in March. The major exception to the usual beginning was the winter of 1976-77 (the coldest of the 10 winters)



a. Winter 1972-73 through winter 1975-76.



b. Winter 1976-77 through 1981-82.

Figure 4. Freezing degree-days.

Table 4. Freezing degree-days (°C base).

Year	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Total
1972-73	0	199	190	224	6	0	666
1973-74	0	121	212	226	34	0	592
1974-75	43	81	182	164	70	6	546
1975-76	0	231	364	99	67	0	761
1976-77	27	296	399	186	30	0	938
1977-78	14	146	290	298	110	0	858
1978-79	33	165	208	340	44	0	790
1979-80	0	77	210	244	79	0	610
1980-81	8	254	380	46	44	0	732
1981-82	13	153	412	207	70	25	830
1982-83	19	178	-	-	-	-	-
10-year mean	13	172	285	203	56	3	732

when freezing degree-days began to accumulate in early November. Four winters were exceptions to the usual March peak. Two winters (1978-79 and 1980-81) peaked in February, while the 1974-75 winter (the warmest and longest winter in terms of freezing degree-days) peaked in April. Furthermore, with the exception of the 1972-73, 1979-80 and 1980-81 winters, once a maximum value is reached, the freezing degree-day curve tends to vacillate before there is a definite warming trend (Fig. 4).

In addition to the final downward slope of the curves (Fig. 4), signifying spring thaw, an early winter thaw (late December - early January) is common. When accompanied by rain, this thaw can result in ice jamming and flooding in the local rivers (Bates and Brown 1981, 1982).

Precipitation

Rainfall and water equivalents (W.E.) for frozen precipitation are recorded continuously at CRREL. Daily and monthly totals are found in Appendix A. The monthly totals for the study period (Table 5) are plotted against each other and compared with the 10-year mean in Figure 5. This mean is then contrasted to the long-term (1941-70) average in Figure 6.

Not only have the last 10 years been colder than the long-term normal, but this period has also been drier. The 30-year mean of total precipitation was 909.9 mm/year, while the 10-year mean was 846.7 mm/year or 63 mm less than normal. Year-end totals ranged from 585.7 mm in 1980 to 1109.2 mm in 1976.

During the 10-year study period, June has seen the most precipitation (mean of 94.9 mm), but for the previous 30 years it was July (mean of 94.2 mm). March has been the month with the least precipitation during the last

Table 5. Precipitation (mm).

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1972	-	-	-	-	-	-	-	-	-	73.9	106.2	116.3	
1973	71.4	37.1	45.2	98.3	132.8	163.6	44.2	69.8	55.4	60.7	65.8	170.2	1014.5
1974	52.3	51.8	63.8	42.9	77.2	65.5	60.2	85.8	128.8	29.2	79.5	44.2	781.2
1975	69.8	43.4	43.7	55.1	24.1	80.3	116.8	101.4	91.9	142.2	107.4	66.0	942.1
1976	78.5	86.9	59.4	77.0	143.3	109.0	130.1	111.2	80.7	147.8	40.1	45.2	1109.2
1977	44.4	49.5	102.9	82.6	39.4	139.7	24.7	47.4	106.6	141.9	73.2	68.1	920.4
1978	109.8	19.6	30.3	53.0	42.8	103.8	56.9	97.4	43.5	62.1	31.9	53.3	704.4
1979	129.7	40.4	36.4	66.4	115.9	25.3	46.4	68.2	60.8	56.8	55.9	42.4	744.6
1980	23.9	18.0	69.8	58.7	30.5	55.6	50.6	46.7	94.9	36.4	73.1	27.5	585.7
1981	12.2	177.6	12.1	52.0	86.0	90.2	99.3	75.6	151.8	117.6	47.0	45.7	967.1
1982	68.6	51.8	69.3	45.5	35.8	115.9	24.7	72.3	44.5	41.8	94.0	33.9	698.1
10-year mean	66.1	57.6	53.3	63.2	72.8	94.9	63.4	77.6	85.9	83.5	66.8	59.6	846.7
30-year mean	64.5	61.0	66.5	73.4	86.9	74.2	94.2	76.7	77.5	70.1	89.2	73.9	909.9

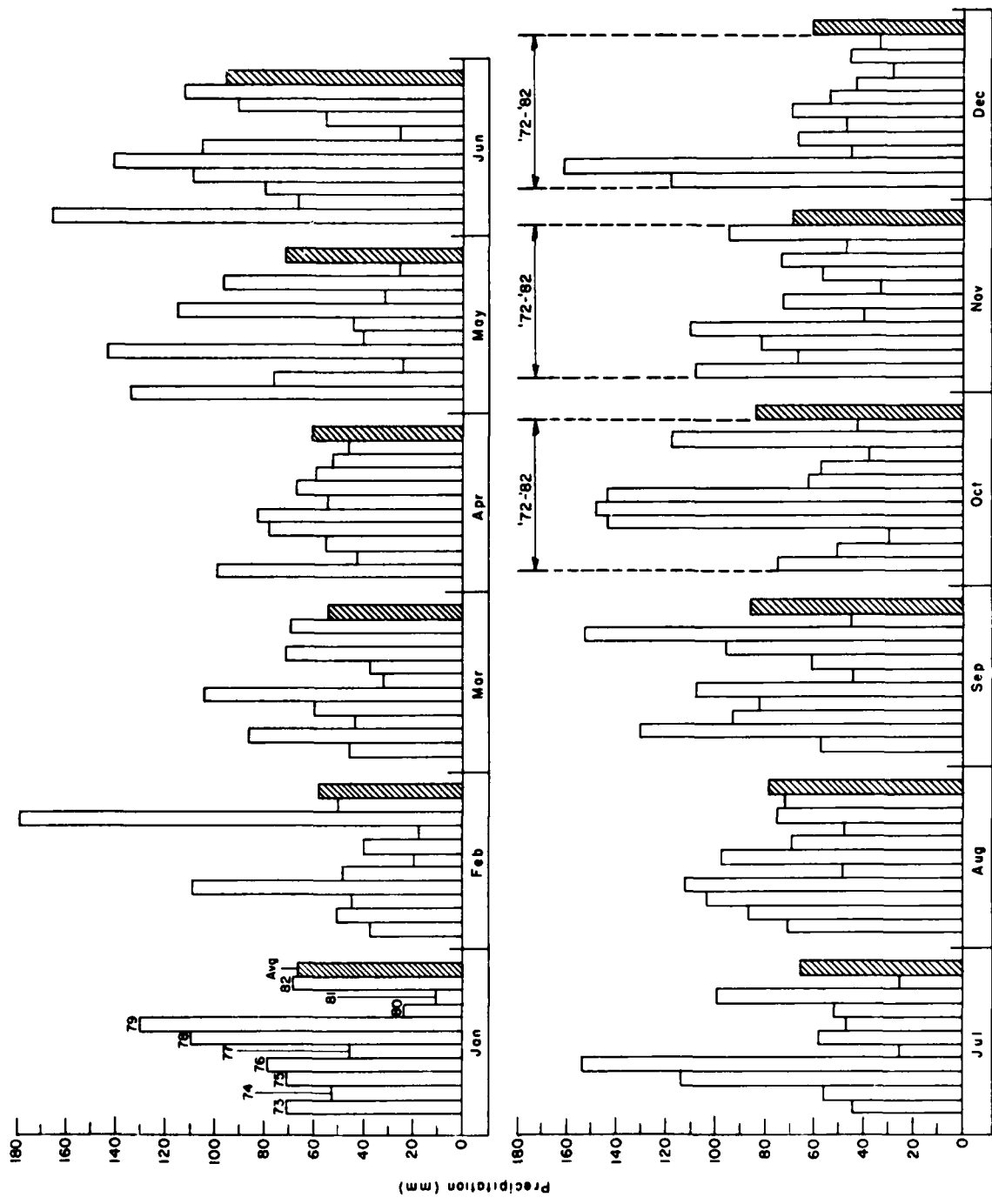


Figure 5. Precipitation for each month of the 10-year study period.

10 years (mean of 53.3 mm) whereas during the previous 30 years it was February (mean of 61.0 mm).

February exhibited the greatest range in precipitation totals and the largest standard deviation, with a low of 37.1 mm (1973) and a high of 177.6 mm (1981). This February value of 177.6 mm is also the greatest amount of monthly precipitation recorded during the last 10 years. This was even higher than June 1973, which was a time of large-scale flooding throughout the Upper Valley (Bates and Brown 1982). Because air temperatures were significantly above normal, most of this high February precipitation was rain, which is unusual. January and March 1981 received the least precipitation (12.2 mm and 12.1 mm respectively).

The precipitation data for the past 10 years show the wide variability in precipitation experienced among months in the same year. Also, there is not much year-to-year similarity in monthly precipitation amounts.

Snow cover

Snow flurries may occur and snow cover may be measured as early as October (i.e., in October 1979). However, in general, snow begins to accumulate sometime between the last week in November and mid-December, and it remains on the ground until late March or early April. The depth of snow on the ground during the nine winters studied at CRREL is plotted in Figure 7. Comparisons of the depth of snow on the ground and concurrent weather conditions indicate that intervals of accumulation, compaction and ablation closely follow the periods of new snowfall, no snowfall and high temperatures, respectively. The maximum snow cover depth during the study period was 750 mm during the 1977-78 winter. In contrast, the winter of 1979-80 recorded a maximum depth of only 100 mm, as well as extended periods (up to 20 days) of no snow on the ground. Total annual snowfall amounts were not measured at the CRREL meteorological station; however, the normal for Hanover, New Hampshire, is 1960 cm (U.S. Department of Commerce 1975a).

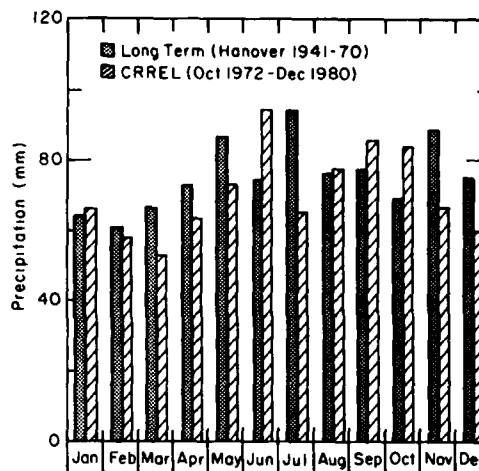
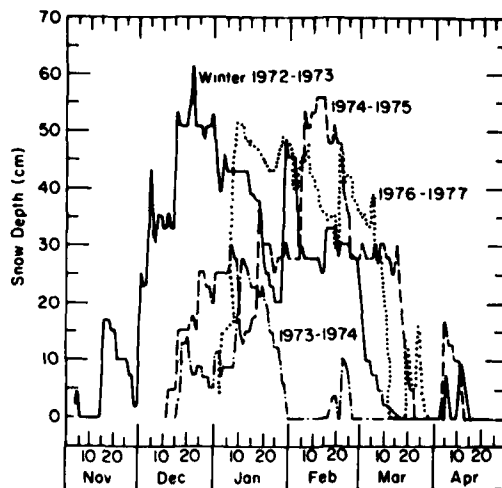
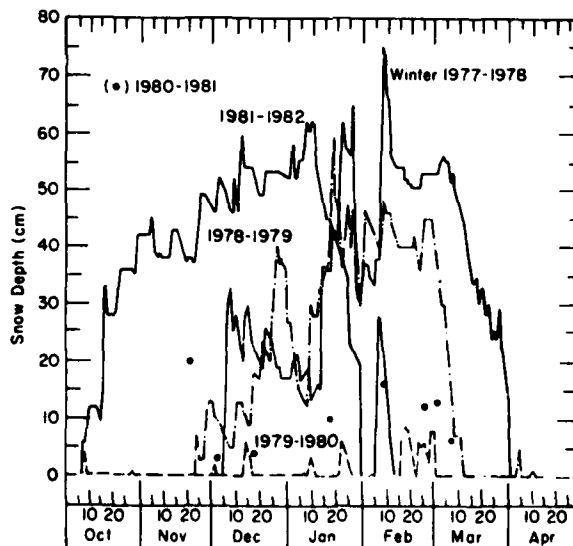


Figure 6. Comparison of precipitation for the 10-year study period to that of the previous 30 years (1941-1970).



a. Winter 1972-73 through winter 1976-77.



b. Winter 1977-78 through winter 1981-82 (in winter of 1980-81, snow depth measured only when new snow fell).

Figure 7. Snow depth.

Wind speed and direction

Average daily wind speed and prevailing direction recorded at CRREL during the 10 years of study are given in Appendix A. Monthly averages are shown in Table 6. The lowest monthly average wind speed (0.4 m/s) is shared by 4 months: August and September 1974, July 1975 and January 1976. March 1974 had the highest monthly average wind speed (3.1 m/s). The mean wind speed for the entire study period was 1.5 m/s.

Table 6 also gives the 10-year average wind speed for each month. The late winter months of February through April experience the highest average wind speeds (February, March, and April, all 1.8 m/s). The summer has the lowest average wind speeds, with a low of 1.3 m/s in July.

Table 6. Wind direction (VAR = variable; sometimes two dominant directions) and speed (m/s).

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Avg.
1972	-	-	-	-	-	-	-	-	-	1.3 WNW SW	1.8 W NE	1.3 NE W	
1973	1.8 WNW NE	2.2 NNW	1.8 SW NE	1.8 N SE	0.9 WNW SE	1.3 NW SE	1.8 W SE	2.2 SW	2.2 SW	1.8 W	1.8 WSW S	2.2 NNW SSW	3.2
1974	1.3 NNW SSW	2.2 NW	3.1 NE S	2.2 SSW NW	2.2 VAR NNW	1.3 VAR	1.8 SSW	0.4 VAR	0.4 S	0.9 NNW	1.3 N	0.9 NNW	1.5
1975	0.9 W	1.3 N	1.8 NNW	1.8 NNW	1.3 SE	0.9 S	0.4 S	1.3 NNW	1.3 N	1.8 N	2.2 NE	1.8 NW	1.4
1976	0.4 VAR	2.2 SSW	2.7 VAR	2.2 NW	2.2 VAR	1.8 VAR	1.8 VAR	1.8 SSW	1.8 VAR	1.8 VAR	1.8 M	1.3 M	1.8
1977	2.2 VAR	2.2 N SW	1.8 VAR NE	1.3 S	2.2 VAR	1.8 S	1.2 W	1.3 VAR SW	1.3 VAR	1.8 VAR	1.8 VAR	1.8 VAR	1.7
1978	1.8 SSE	1.3 VAR	1.3 VAR	1.3 VAR	0.8 VAR	1.2 VAR	1.3 SW	1.2 VAR	1.5 VAR	1.1 VAR	0.8 VAR	0.9 VAR CAUN	1.2
1979	1.0 NE VAR	1.4 NNE VAR	1.4 VAR	1.2 VAR	0.7† VAR	1.0* VAR	1.0 NW VAR	0.8 SW NE	0.8 VAR	0.7 VAR	0.7 VAR	1.5 N VAR	1.0
1980	1.3 VAR	1.4 NE VAR	1.7 VAR	1.4 VAR NNW	1.0 VAR	1.3 VAR	1.1 VAR	1.1 VAR	1.3 VAR	1.2 VAR	2.1 VAR	2.0 VAR	1.4
1981	1.3 VAR	1.7 SSW	1.4 VAR	1.9 N	1.5 WSW	1.1 VAR	1.5 NNE	1.0 SW	1.0 VAR	1.0 VAR	1.5 VAR	1.5 N	1.4
1982	1.5 NNW	2.0 VAR	1.5 VAR	2.5 NNW	1.5 VAR	1.5 S NW	2.0 SW	2.0 SW	1.5 SSW	1.5 VAR/ SSW	1.5 NNW	1.7 NW/ VAR	1.7
Avg.	1.4	1.8	1.8	1.8	1.4	1.3	1.4	1.3	1.3	1.4	1.6	1.5	1.5

(72-82)

* 30 days data

† 28 days data.

M Insufficient data to determine prevailing wind direction.

Examination of the predominant wind direction observed on each day (Appendix A) provided an estimate of the prevailing direction for each month. In some instances two directions were dominant on one day or for a particular month (Table 6). These data show that the direction of the wind during the study period at CRREL was quite variable; however, north winds dominate in winter and southwest winds dominate in the summer.

The variable wind direction might possibly be caused by valley winds during the daytime, particularly during the summer (time of the year with the lowest pressure gradient), with light to nonexistent mountain winds at night. The relatively low elevation of the hills around CRREL could possibly explain the light or calm winds at night in the absence of an atmospheric pressure gradient. However, these data are not consistent enough to warrant further analysis.

Solar radiation

Total incoming solar radiation (in J/day) is presented in Table 7 as monthly and yearly averages from January 1974 to December 1982. These measurements are the total incoming solar radiation falling on a horizontal plane and are averaged hourly. The sensor used is an Eppley Pyrheliometer. As expected, the maximum solar radiation is recorded in June and the minimum in December. The average annual solar radiation received at the site is approximately 1300 J/day (Table 7) for the 10 years of this study.

Evaporation

Table 8 shows pan evaporation data taken during mostly the summer from 1975-1982. These data are normally taken from May through October because of ice formation on the pan surface. Normal evaporation during this period is about 500 mm for this latitude with normal cloud cover.

SUMMARY

The last 10 years at CRREL have been slightly colder than the previous 30 years as recorded at the Hanover, New Hampshire, Co-op station. The winter of 1976-77 was the coldest of the decade, with significantly lower than normal temperatures through January. As expected, the lower temperatures also increase the annual heating degree-days, 8029 for the past 10 years as compared to 7680 for the previous 30 years (1941-1970).

The past 10 years have been drier than the previous 30 years. Mean annual precipitation for the 10-year study period was 859.6 mm compared to 908.3 mm for the previous 30 years. February 1981 had the highest total

Table 7. Solar radiation (J/day).

Month	1974	1975	1976	1977	1978	1979	1980	1981	1982	Avg.
Jan.	473 ^a	556	540	623	544	407	545	1226	537	606
Feb.	496 ^b	837	795	757	1075	862 ^h	1251 ^j	871 ^h	925	925
March	1184	1192	1247	1213	1414	1068 ^j	1208	1203	1185	1213
April	1699 ^c	1615	1573	1807	1602	1485	1260	3046	1627	1746
May	1050	1866	1665	2255	1971	1783	1929	1958	1827	1812
June	2151	1895	2105	1757	2142	2260	1921	2044	1755	2003
July	2084	2142	1908	2222	2335 ^k	2243	2025	2111	2327	2155
Aug.	1854	1657 ^d	1602 ^e	1761	1732	1638	1709 ⁱ	1570	1885	1717
Sept.	1301	1134	1243 ^f	1042	1515	1574	1483 ^h	1139	1307	1304
Oct.	1004	803	749	870	806 ^j		742	768	1025	846
Nov.	544	569	556	506	651 ^j	441	508	543	802	569
Dec.	356	397	515	477	489 ^g	409	839	390	684	506
Yearly Average	1259	1222	1209	1276	1356	1288	1254	1437	1319	

a Data for 17 days, equipment failure

b Data for 15 days, equipment failure

c Data for 10 days, equipment failure

d Data for 11 days, equipment failure

e Data for 26 days, equipment failure

f Data for 18 days, equipment failure

g Data for 26 days

h Data for 27 days

i Data for 28 days

j Data for 29 days

k Data for 30 days

Table 8. Monthly evaporation (mm).

Month	1975	1976	1977	1978	1979	1980	1981	1982
April	18.7*	26.6†	-	-	-	-	-	-
May	163.6	92.2	144.9	96.6	66.7††	97.5	102.6**	103.3
June	128.4	123.3	104.8	105.7	126.6	102.9	104.3	72.4
July	147.0	112.2	144.7	157.9	110.7	110.7	112.6	147.0
Aug.	130.1	86.1	78.7	90.7	77.1	99.2	95.2	104.6
Sept.	74.8	53.3	62.3	67.3	70.9	94.9	66.0	59.5
Oct.	66.9	26.4	42.6	24.4	20.9			
Nov.	55.5							
Total	710.8	493.5	578.2	542.2	472.9	505.2	480.7	486.6

*26 April - 30 April

†23 April - 30 April

††29 days of data

**30 days of data

precipitation, 177.6 mm, for the 10-year study period. This is unusual because February is normally one of the driest months. The maximum depth of snow on the ground for the 10-year study period was 750 mm recorded in the winter of 1977-78.

Mean daily wind speed and prevailing direction were 1.5 m/s from the north in the winter and from the southwest in the summer.

Solar radiation and pan evaporation average 1300 J/day and 500 mm/year, respectively, with peaks June and July.

LITERATURE CITED

- Bates, R.E. and M.L. Brown (1981) Analysis of ice jams and their meteorological indicators for three winters on the Ottauquechee River, Vermont. USA Cold Regions Research and Engineering Laboratory, CRREL Report 81-1.
- Bates, R.E. and M.L. Brown (1982) Meteorological conditions causing major ice jam formation and flooding on the Ottauquechee River, Vermont. USA Cold Regions Research and Engineering Laboratory, Special Report 82-6.
- Bilello, M. and R.E. Bates (1978) Climatic survey at CRREL in association with the land treatment project. USA Cold Regions Research and Engineering Laboratory, Special Report 78-21.
- Iskandar, I.K., S.T. Quarry, R.E. Bates, J. Ingersoll (1979) Documentation of soil characteristics and climatology during five years of wastewater application to CRREL test cells. USA Cold Regions Research and Engineering Laboratory, Special Report 79-23.
- U.S. Department of Commerce (1975a) Climatology of the United States. No. 20. Climate of Hanover, N.H. Asheville, N.C.: Environmental Data Service, National Climatic Center.
- U.S. Department of Commerce (1975b) Climatology of the United States. No. 81. New England monthly normals of temperature, precipitation and heating and cooling degree days, 1941-1970. Asheville, N.C.: Environmental Data Service, National Climatic Center.

APPENDIX A. DAILY METEOROLOGICAL SUMMARIES FOR HANOVER,
NEW HAMPSHIRE, FROM OCTOBER 1972 TO DECEMBER 1982.

Conversion factors for use with Appendix A.

Multiply	By	To obtain
Btu	1.055056	joule
langley	4.184	joule/cm ² min
langley	3.6855	Btu/ft/min
knots	0.5144	m/s
mph	0.868	knots
inches	25.4	millimetres
degrees fahrenheit	$^{\circ}\text{C} = (^{\circ}\text{F} - 32)/1.8$	degrees Celsius

Table A1. Monthly meteorological summary.

October 1972												
Date	Temperature ($^{\circ}\text{F}$)			Rel. Hum. %			Dew Point Mean ($^{\circ}\text{F}$)	Speed (MPH)	Wind**		Precipitation (in)	
	Max	Min	Ave	Max	Min	Mean			Dir.	Max-Hourly	Amt.	Snow Depth
1	54	33	43	98	32	68	33	5	NNW+SSE	10	.03	
2	65	32	48	98	40	83	43	2	Var	3		
3	70	42	56	100	46	85	51	2	Var	3		
4	75	47	61	100	46	87	57	2	WSW	3		
5	69	46	58	100	41	86	54	2	SW	3		
6	64	44	54	100	60	85	50	3	ESE+WSW	7		
7	57	53	55	100	92	99	55	4	NE	5	1.71	
8	60	48	54	91	33	63	42	5	NW	9		
9	46	38	42	88	51	57	28	6	NW	8		T
10	50	28	39	100	25	53	23	5	NW	7		
11	60	26	43	100	30	73	35	4	SW	7		
12	56	42	49	100	78	92	47	3	SW+N	5	.07	
13	44	27	35	100	38	69	26	4	NNW	6		
14	46	26	36	100	62	93	34	2	N+WSW	5	.13	T
15	42	26	34	100	41	68	25	6	NW	11		
16	46	25	36	100	67	80	30	5	SSW	8		
17	50	34	42	100	39	64	31	6	WNW	11		
18	40	22	31	100	36	72	23	2	NNW	5		
19	38	26	32	100	18	74	25	4	ESE+N	6		
20	38	21	30	100	33	70	21	2	Var	6		
21	44	16	30	100	36	71	22	2	WSW	5		
22	42	34	38	100	74	85	38	2	WSW+N	3	.09	
23	46	38	42	100	100	100	42	2	NNE	4	.06	
24	56	38	47	100	58	88	44	4	NE+WNW	8		
25	38	33	35	100	62	81	30	4	NW+NNE	10		
26	49	29	39	100	37	77	32	2	SSW	7		
27	60	24	42	100	23	75	35	1	Var	7		
28	50	26	38	100	82	96	37	1	Var	7	.20	
29	50	34	42	100	76	96	41	4	NNW	11	.62	
30	38	26	32	100	56	70	23	9	NNE	22		
31	43	24	39	100	44	77	32	2	Var	3		
Avg. Monthly	51	33	42	100	23	77	36	3	WNW and SW	Max 22	Total 2.91	T

Monthly Max = 75 $^{\circ}\text{F}$ Monthly Min = 16 $^{\circ}\text{F}$ T = Trace

*Mean: Arithmetic mean for 24 hrs

**Winds during Oct and Nov taken from upper level - trailer wind instrumentation not installed.

Table A2. Monthly meteorological summary.

November 1972													
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Speed (MPH)	Wind	Max-Hourly	Precipitation (in)		
	Max	Min	Ave	Max	Min	Mean	Mean (°F)		Dir.		Amt.	Snow Depth*	
1	44	32	38	96	53	74	30	4	SSW	5			
2	46	40	43	100	79	95	42	3	SW	4			
3	54	36	45	100	52	85	41	6	NW	14			
4	37	30	34	100	56	89	31	4	ENE	6	.10	1	
5	36	31	34	100	100	100	34	1	Var	3	.22	2	
6	43	32	38	100	67	86	34	2	SW+NE	4		0	
7	39	32	36	96	82	93	34	3	WSW	5			
8	44	34	39	96	82	89	36	5	E	10	.90		
9	42	37	40	94	68	83	35	8	N	9	.11		
10	43	28	36	100	64	79	30	5	N	8			
11	38	28	32	100	86	97	31	2	WSW+NE	5	.11		
12	40	34	37	98	85	90	34	2	SW	4			
13	44	38	41	100	84	94	39	2	WSW	4			
14	40	30	35	100	82	97	34	5	NE	7	.38	0	
15	30	26	28	100	70	87	25	6	NNE	8	.11	4	
16	32	12	22	98	52	74	15	5	NNW	8		7	
17	26	11	14	99	77	94	13	2	NNE	4		7	
18	42	19	30	98	49	88	27	2	SE+NNW	3		7	
19	36	15	26	98	70	92	24	3	S+NNE	4		6	
20	38	31	34	100	57	81	29	5	NW	12	.90	6	
21	30	22	26	60	44	53	11	6	N	8		4	
22	26	9	18	86	40	62	7	5	N	9		4	
23	26	6	16	86	42	68	7	4	WNW+SSE	9		4	
24	36	20	28	86	70	78	22	4	WNW	8		4	
25	37	32	34	98	65	80	28	4	WSW+SE	8		4	
26	36	34	45	100	70	89	42	7	NNW+SE	12	.70	3	
27	45	38	42	84	56	62	30	9	WSW	15		3	
28	36	29	32	100	70	93	30	3	SW+NE	5	.30	1	
29	34	18	26	100	58	86	22	4	W	9		1	
30	26	13	19	100	55	93	17	2	E	3	.35	4	
Ave. Monthly	38	26	32	100	40	84	28	4	W+NE	15	4.18	Max = 7	

Monthly Max = 56°F Monthly Min = 6°F

*Snow depth data taken from the following sources: 1. Nov 1972-Feb 1973 from Hanover, N.H. Co-Op sta.

2. Mar and Apr 1973 from Lebanon, N.H. FAA sta.

3. Dec 1973-Mar 1974 from USA CRREL Met. sta.

Table A3. Monthly meteorological summary.

December 1972													
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Speed (MPH)	Wind		Precipitation (in.)		
	Max	Min	Ave	Max	Min	Mean	Mean (°F)		Dir.	Max Hourly	Amt.	Snow Depth	
1	30	21	26	100	54	86	22	6	SW	15	.37	10	
2	24	7	16	100	51	75	9	3	NNE	8		9	
3	32	13	22	100	68	90	20	4	NNE	9		9	
4	17	10	14	100	61	92	12	3	NNE	5	.65	13	
5	25	16	20	100	96	91	18	4	SSW	9	.22	17	
6	38	25	32	100	60	95	31	3	W	8	.48	13	
7	32	-2	15	98	28	48	-1	4	NNE	8		12	
8	22	-6	8	100	85	96	7	Calm		3	.33	14	
9	29	22	26	100	95	97	25	2*	NE	5	.10	14	
10	34	28	31	100	95	97	30	3*	Var	11	.08	13	
11	28	1	14	96	37	69	6	4	NE	7		13	
12	18	-4	7	100	81	95	6	1	Var	3	.21	14	
13	40	21	30	100	46	72	22	5	WSW	13	.05	13	
14	31	11	21	98	50	82	16	2	NNE	7		13	
15	16	3	10	96	77	92	8	3	NE	7	.45	16	
16	26	8	17	100	56	79	11	5	W+ENE	11	.21	21	
17	7	-8	0	100	60	71	-7	7	NNW	13	.05	20	
18	25	-9	8	95	49	75	2	3	W	6		20	
19	26	18	22	97	84	89	19	2	W	5		20	
20	26	14	20					4	E	6	.05	20	
21	17	11	14	100	90	96	13	3	SW	5	.25	21	
22	26	17	22	100	96	98	22	2	ENE	5	.19	24	
23	27	20	24					1	Var	2		20	
24	30	26	28					1	Var	4		20	
25	36	29	32					2	NNW+ESE	4		20	
26	37	35	36	100	76	98	35	3	SW	5	.16	20	
27	34	23	28	100	74	88	25	1	Var	6	.01	19	
28	31	22	26	100	66	87	23	2	NNE	6	.05	20	
29	23	8	16	78	56	68	7	4	NNE	7		20	
30	24	15	20	100	73	89	17	4	NE+S	8	.24	20	
31	24	24	29	100	92	98	28	3	WSW	7	.43	21	
Ave. Monthly	27	14	20	100	28	86	16	3	NE+W	15	4.58	Max = 24	

Monthly Max = 40°F

Monthly Min = -9°F

*(Winds from Lower Level on Roof, Surface Wind Sta. Inoperative.)

n = missing

Table A4. Monthly meteorological summary.

January 1973													
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Speed (MPH)	Wind		Precipitation (in)		
	Max	Min	Ave	Max	Min	Mean	Mean (°F)		Dir.	Max-Hourly	Amt.	Snow Depth	
1	46	34	40	100	52	79	34	4	WSW+E	8	.10	17	
2	38	27	32	70	48	57	18	6	WNW	8		16	
3	34	17	26	95	54	72	18	*4	NNE	6		16	
4	38	18	28	100	64	90	25	5	ESE+NW	11	.25	18	
5	40	25	32	98	48	65	22	6	WNW	15		17	
6	23	-2	10	74	52	59	-1	*10	NNE	19		17	
7	4	-12	-4	67	44	53	-17	*8	N	15		17	
8	0	-22	-11	82	41	59	-21	4	NNE	8		17	
9	14	-20	-3	94	42	73	-10	1	Var	3		17	
10	26	-5	10	98	50	80	5	2	NW	8		17	
11	28	-3	12	98	48	72	5	3	WNW	8		17	
12	23	2	12	98	44	71	4	3	NNE+WNW	6		17	
13	24	-6	9	98	45	82	5	1	NE	2		17	
14	32	0	19	99	58	81	14	2	WNW+NE	5		17	
15	40	24	32	98	60	88	29	2	NNE+NW	3		16	
16	46	28	37	98	54	76	30	4	NNE+WSW	12		16	
17	54	24	40	98	44	80	34	2	NE+WSW	5		15	
18	50	32	41	99	64	88	38	2	WSW	5		15	
19	52	28	40	98	61	86	36	3	W	11	.23	13	
20	42	18	30	100	61	87	27	3	N+NW		.62	11	
21	27	9	18	90	52	62	7	2	N+NNE	7	T	10	
22	38	2	20	98	59	77	14	3	NNE	5		10	
23	41	38	40	100	62	85	36	4	WNW	9	.75	9	
24	38	21	30	96	60	75	23	5	W+N	9		9	
25	37	12	20	90	37	64	12	2	NW+NE	5		8	
26	37	22	40	99	64	83	25	3	NNE	6		8	
27	32	-1	26	98	82	95	25	3	NNE	6		8	
28	30	-2	26	100	44	85	22	3	NE+ESE	5	.05	9	
29	28	0	13	100	66	81	8	6	N	11	.81	19	
30	18	-18	0	94	58	69	-8	6	WSW+NE	11		18	
31	8	-22	-7	97	45	66	-12	7	N	11		18	
31	30	10	21	100	37	75	14	4	WNW+NE	19	2.81	Max = 19	

Monthly Max = 55°F Monthly Min = -22°F
 *Used Roof Wind Lower Level
 T = Trace

Table A5. Monthly meteorological summary.

February 1973												
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Speed (MPH)	Wind	Max-Hourly	Precipitation (in)	
	Max	Min	Ave	Max	Min	Mean	Mean (°F)		Dir.		Amt.	Snow Depth.
1	6	-22	-8	88	64	81	-12	4	W	5		18
2	30	6	18	100	84	98	17	4	WNW	7	.94	18
3	38	23	30	100	66	77	24	7	WNW	12		12
4	33	16	24	98	60	72	16	6	WNW	13		12
5	35	12	24	72	42	58	11	7	NNE	15		12
6	28	-2	13	98	42	68	7	3	NNW	5		11
7	32	19	26	83	58	63	10	5	ENE+W	7		11
8	31	16	24	100	76	92	22	3	W	5	.06	11
9	14	-7	4	83	46	61	-6	6	NNE	12		11
10	18	-14	2	97	44	72	-5	5	N	12		11
11	12	-8	2	68	41	56	-10	9	NNE	13		11
12	8	-10	-1	84	62	72	-8	6	NNE	12		11
13	26	6	16	98	62	76	10	5	N	11		10
14	42	4	23	99	29	66	13	4	NNE	6		10
15	36	30	33	100	84	94	31	4	NW+S	6	.28	13
16	28	5	16	92	66	74	9	9	N	15		13
17	8	-11	-2	73	42	56	-14	7	NNW	11		13
18	26	-18	4	98	42	72	-3	2	N	6		13
19	36	-3	16	99	52	78	10	4	WNW+NE	14		13
20	45	30	38	99	56	84	34	4	W+NE	10		11
21	42	30	36	100	56	89	33	3	NE	5	.12	12
22	37	27	32	100	78	87	29	4	NE	9	.06	12
23	29	23	26	88	60	72	18	6	N	10		12
24	29	9	19	99	35	60	7	4	N	10		12
25	25	7	16	76	36	52	1	7	N	15		11
26	30	6	18	85	36	50	2	6	NE	13		11
27	22	1	12	98	42	59	0	1	ENE	9		11
28	33	-5	14	99	41	76	8	3	NNE	6		11
	28	6	17	100	29	72	9	5	NNW	15	1.46	Max = 18

Monthly Max = 45°F Monthly Min = -22°F
 *Upper Level Wind used. SPC wind equipment out of operation.

Table A6. Monthly meteorological summary.

April 1973												
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Speed (MPH)	Wind	Max-Hourly	Precipitation (in)	
	Max	Min	Ave	Max	Min	Mean	Mean (°F)		Dir.		Amt.	Snow Depth
1	51	42	46	98	40	77	39	4	NE	7	.61	0
2	42	31	36	100	75	89	33	4	ENE	7	.64	0
3	40	31	36	100	62	86	32	2	SE+SW	3	.11	1
4	43	31	37	100	60	84	33	3	S	4	.72	0
5	38	30	34	100	54	75	27	3	NW	7	.20	3
6	46	34	40	58	38	45	20	6	NW	15		T
7	50	32	41	56	25	37	17	6	NNE	12		0
8	46	27	36	79	28	48	18	4	N	12		0
9	46	24	35	82	23	46	16	3	N	6		0
10	37	32	34	100	66	91	32	3	N	10	.72	1
11	33	26	30	98	58	75	23	6	SE	13		4
12	38	18	28	98	28	57	15	6	SE	11		3
13	39	22	30	74	39	53	15	7	S	13		2
14	53	20	36	98	21	63	25	4	S+W	6		T
15	64	25	44	98	18	56	29	5	N	9		0
16	76	30	53	100	18	53	36	5	N	12		
17	68	44	56	82	30	50	37	4	ENE	13		
18	72	41	56	98	39	73	47	5	ENE	13		
19	73	40	56	100	24	52	38	3	SW	8		
20	68	30	49	96	16	50	31	2	ESE	3		
21	73	38	56	96	38	56	41	2	NE	5		
22	82	49	66	100	40	69	56	2	NNW	3	.08	
23	69	48	58	77	39	58	43	3	NE+WNW	4		
24	66	42	54	98	46	70	44	2	W	3		
25	64	43	54	96	29	57	39	3	N	4		
26	52	43	48	98	54	73	40	2	SSE	3	.03	
27	46	43	44	100	82	94	42	3	NE	8	.17	
28	59	44	52	100	93	99	52	2	W	5	.59	
29	44	38	41	95	70	81	36	3	NW	5		
30	54	35	44	98	66	85	40	3	NE	4		0
	54	34	44	100	16	67	33	4	N+SE	15	3.87	Max = 4

Monthly Max = 82°F Monthly Min = 18°F
Peak Gust 34 MPH on 6 Apr.

Table A7. Monthly meteorological summary.

March 1973													
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Speed (MPH)	Wind		Max-Hourly	Precipitation (in)	
	Max	Min	Ave	Max	Min	Mean			Dir.			Amt.	Snow Depth
1	45	14	30	97	55	76	23	3	NE+SSW		5		6
2	42	29	36	93	72	89	33	3	NNE		6		5
3	35	32	34	94	88	91	31	4	SE		5		4
4	48	32	40	93	76	88	37	3	WNW		7		4
5	50	32	41	96	46	77	34	3	NE		8		3
6	40	30	35	98	60	70	26	5	SW		7		3
7	38	32	35	98	87	93	33	4	SSW		6		3
8	57	35	46	99	76	91	43	2	SW		4	.40	2
9	48	31	40	95	46	79	34	2	NE		6		2
10	42	31	36	92	40	54	21	4	SE		6		1
11	41	35	38	98	64	78	32	3	SW		4	.10	1
12	59	39	49	95	51	73	41	4	W		9		T
13	49	27	38	88	36	56	24	4	N		8		T
14	40	25	32	94	50	77	26	2	NE		3		T
15	40	28	34	98	42	65	24	3	SE		6	.05	T
16	57	30	44	96	42	69	34	3	WNW		6	.42	T
17	48	36	42	92	80	88	39	3	S		4	.53	0
18	39	27	33	89	50	64	22	3	SW		6		
19	40	30	35	68	58	63	24	6	NW		12		
20	35	26	30	74	60	67	20	5	NNW		9		
21	38	20	29	94	52	67	19	2	ENE		4		
22	44	33	38	64	49	56	24	5	ENE		7		
23	50	27	38	76	31	46	19	8	NE		16		
24	58	24	44	100	26	63	32	4	NNW		6		
25	63	25	44	100	39	70	35	2	W		5		
26	45	48	42	100	67	92	40	5	FNE		8	.28	
27	45	26	36	92	21	49	19	6	ENE		10		
28	52	30	36	98	19	66	22	4	SSW		6		
29	52	27	40	99	23	62	28	3	SW		6		
30	53	26	41	97	42	73	33	4	WSW		6		
31	63	35	49	85	39	64	37	2	WSW		6		0
47	29	38	38	100	19	71	29	4	SW+NE		16	1.78	Max = 6

Monthly Max = 63°F Monthly Min = 14°F
Peak Gust 31 MPH on Mar 31

Table A8. Monthly meteorological summary.

May 1973										
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Speed (MPH)	Wind Dir.	Precipitation (in.) Amt.
	Max	Min	Ave	Max	Min	Mean				
1	71	48	53	100	62	82	48	3	NNE	5
2	76	57	64	100	74	91	61	2	S	3
3	78	54	65	100	86	97	64	2	SSW	4
4	54	42	43	96	60	78	41	3	WNW	4
5	50	40	45	100	66	88	42		Calm	3
6	54	41	48		65	82	43	3	S+NW	7
7	62	37	50	97	38	71	41	3	W+ENE	9
8	71	36	53	100	61	83	47	2	NW+SW	6
9	54	44	49	100	100	100	51	1	Var	3
10	75	50	61	100	66	91	59	2	WNW+SE	4
11	68	50	59	100	95	99	59	2	Var	3
12	64	41	52	100	83	94	50	2	WSW	3
13	58	43	50	98	64	79	44	m	WNW	m
14	53	33	42	98	56	79	36	2	WNW	7
15	57	32	44	98	45	77	37	2	W	4
16	57	35	47	98	34	67	35	3	NW	5
17	60	31	46	98	40	67	35	3	W	9
18	45	38	42	98	77	86	38	3	ENE	4
19	46	38	42	100	60	80	36	4	WSW	7
20	65	34	50	100	37	80	44	2	WSW	3
21	54	46	50	100	90	98	49	3	NNW	3
22	56	34	48	100	69	85	44	3	NW+ESE	10
23	60	37	53	98	38	75	45	3	N	5
24	72	36	54	98	37	68	44	3	NW	4
25	74	40	54	97	67	80	48	2	SE	3
26	63	45	54	98	55	78	47	2	S	3
27	64	44	56	99	46	70	46	3	SSE	4
28	64	48	51	100	100	100	51	2	SE	3
29	76	55	66	100	82	83	61	2	S	5
30	75	54	64	100	46	76	56	2	SW	3
31	74	54	64	100	53	79	57	2	SW+ENE	5
	67	47	52	100	32	82	47	2	WNW+SE	10

Monthly Max = 76°F Monthly Min = 31°F
Peak Gust 20 MPH on 3 May.

Table A9. Monthly meteorological summary.

June 1973										
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Speed (MPH)	Wind Dir.	Precipitation (in.) Amt.
	Max	Min	Ave	Max	Min	Mean				
1	72	54	58	97	48	78	51	2	Var	4
2	64	45	49	98	38	60	36	3	NW	5
3	75	31	53	100	36	66	42		Calm	2
4	70	47	56	100	76	94	54		"	3
5	76	60	68	98	76	90	66	3	NE+S	6
6	72	60	66	98	66	80	67	2	SE	4
7	76	60	72	98	43	78	66	4	SW	6
8	74	54	62	98	46	74	60	4	W+SSE	6
9	74	56	70	98	45	82	64	4	WSW	6
10	70	53	67	98	43	71	57	4	WNW+S	7
11	71	61	76	100	47	74	67	3	S	8
12	71	61	71	100	64	80	68	2	S	7
13	73	54	66	100	74	86	68	2	SE	8
14	73	50	61	95	47	70	61	4	WNW+SSE	7
15	60	44	52	98	47	60	41	2	NE	15
16	64	47	55	100	44	64	42	4	SE+NE	9
17	64	39	51	98	45	64	42	4	NE	10
18	67	37	54	98	72	81	51	2	W+ENE	8
19	72	54	62	98	62	80	60	2	NE	6
20	76	54	69	98	60	80	60	2	WNW	10
21	74	67	70	98	72	86	70	2	WNW	6
22	74	67	70	100	77	84	70	2	WNW	6
23	74	67	70	98	62	80	68	2	W	6
24	80	67	73	98	64	80	67	2	SE	7
25	74	67	70	98	64	80	68	2	NW	6
26	76	67	71	98	67	84	68	2	NW+S	9
27	76	67	71	98	67	84	68	2	Var	7
28	76	67	71	98	67	84	68	2	NW	10
29	76	67	71	98	67	84	68	2	SE	12
30	76	67	71	100	67	84	68	2	NW+NE	6
31	76	67	71	100	67	84	68	2	NW+SE	15

Monthly Max = 80°F Monthly Min = 31°F
Peak Gust 15 MPH on 15 June.

*Trailing zeros in precipitation are in parentheses. They are not to be used from 1 to 100 miles.

Table A10. Monthly meteorological summary.

July 1973											
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Speed (MPH)	Wind	Max-Hourly	Precipitation (in.)
	Max	Min	Ave	Max	Min	Mean	Mean (°F)		Dir.		Amt.
1	80	61	70	100	59	86	65	3*	NNE+SE	7	
2	80	61	72	100	63	86	67	3	SE	9	
3	80	56	68	100	66	87	64	1*	SSE	9	
4	80	61	64	100	93	99	64	2*	SSE+NNE	5	.71
5	70	56	65	100	48	87	61	3*	SE+NE	8	.09
6	80	50	65	100	46	74	57	5*	W+SE	19	
7	86	53	70	100	41	79	63	5*	W	13	
8	74	61	78	100	45	77	70	3*	W	8	
9	90	64	77	100	42	79	70	4*	W	8	.12
10	78	57	68	100	44	80	62	4*	WNW	7	
11	71	46	58	100	41	64	46	9*	W+NE	21	
12	63	41	52	100	37	66	41	9*	N	24	
13	78	39	58	100	56	73	49	4	SSE	10	.02
14	84	60	72	100	47	77	64	5	SSE+NE	14	.38
15	74	59	66	100	70	92	63	4	SE+W	9	.04
16	80	52	66	100	41	77	58	3	NW	7	
17	79	47	63	100	43	75	55	3	NW	6	
18	79	51	65	100	35	80	59	2*	NW	4	
19	84	50	67	100	35	75	59	2*	ESE	4	
20	82	57	70	100	48	80	63	4	SW+NNE	9	
21	79	54	66	100	52	86	55	3	NNE	5	
22	82	50	66	100	33	69	55	5*	N	14	
23	83	47	65	100	34	68	54	4*	NE	10	
24	88	51	70	100	32	66	58	5*	N	18	
25	87	54	70	100	36	72	61	3*	SW	7	
26	77	58	68	100	69	89	65	6*	W	15	
27	85	68	76	100	65	91	73	5*	SW	17	.38
28	90	67	78	100	43	72	68	10*	SSW	24	
29	80	60	70	100	57	83	65	4*	SW	10	
30	88	60	74	100	40	78	67	4*	SE+NW	8	
31	86	60	73	100	46	79	66	4*	NE	12	
81	53			100	32	79		4	W+SE	24	1.74

Monthly Max = 94°F Monthly Min = 39°F

Peak Gust = 31 MPH on 28 July.

*Upper Level Winds used.

Table A11. Monthly meteorological summary.

August 1973											
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Speed (MPH)	Wind	Max-Hourly	Precipitation (in.)
	Max	Min	Ave	Max	Min	Mean	Mean (°F)		Dir.		Amt.
1	83	60	72	99	55	83	67	4	NE+SE	6	.13
2	72	68	70	98	95	98	70	2	W	3	.69
3	86	68	77	98	54	84	72	3	SSW	3	
4	83	60	72	99	41	77	65	4*	W	6	
5	85	56	70	100	33	75	61	6*	NW+SE	10	
6	88	54	71	100	49	85	66	4	NE+SW	8	
7	85	62	74	100	48	81	68	5*	SSW	8	
8	83	64	74	99	50	82	68	3*	SSW	6	
9	87	65	76	99	54	82	70	3*	SSW	6	
10	91	67	79	98	43	79	72	4	SW	11	.10
11	78	65	72	100	68	89	68	4	SW	7	
12	80	63	72	100	49	84	67	4	SW	8	
13	75	55	65	100	60	85	60	5	NNW	8	
14	74	55	64	99	61	88	60	5	NW+SE	10	
15	63	58	60	98	94	98	60	4	NW+SE	5	.07
16	79	54	66	98	48	81	60	4	NNE	6	
17	84	53	68	98	40	80	61	3	Var	4	
18	85	56	70	99	42	79	63	3	NNE	5	
19	79	56	68	100	45	82	62	3	NE	5	
20	81	53	67	100	47	85	62	3	W	7	
21	78	54	66	100	48	83	61	3	S	6	
22	70	53	62	98	66	90	59	4	SSW	8	.06
23	73	44	58	98	36	73	50	3	Var	6	
24	72	47	60	98	35	74	52	4	N	8	
25	77	45	61	98	37	75	53	3	NW	6	
26	77	55	66	100	58	88	62	3	NE	5	
27	88	62	75	100	58	88	71	4	SSW	6	.05
28	87	62	74	100	38	80	67	5	SW	10	.18
29	92	59	76	100	39	76	68	5	SW	14	
30	93	65	79	99	37	78	71	7	SW	17	
31	93	65	79	99	43	86	75	8	SSW	12	1.47
	81	58	70	100	33	83	64	5	SW	17	2.75

Monthly Max = 93 Monthly Min = 44

Peak Gust = 42 MPH on 30 Aug.

*Upper Level Winds Used.

Table A12. Monthly meteorological summary.

September 1973											
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Speed (MPH)	Wind	Max-Hourly	Precipitation (in.)
	Max	Min	Ave	Max	Min	Mean	Mean (°F)		Dir.		Amt.
1	86	63	74	100	54	90	71	3	"	4	
2	90	67	78	100	55	87	74	"	"	"	
3	91	68	80	100	46	83	74	4	"	6	
4	82	65	74	100	47	82	68	4	"	6	
5	80	63	72	100	63	86	67	8	SE	12	T
6	74	52	63	100	55	86	59	8	SSW	10	.64
7	66	46	56	100	37	73	47	8	SW	18	T
8	57	40	48	96	49	73	40	5	SW	8	
9	56	38	47	97	47	72	38	8	"	16	
10	70	36	53	100	33	66	42	6	W	12	
11	76	40	58	100	35	77	51	6	SW	12	
12	66	44	55	100	38	74	47	7	NW*	15	
13	68	40	54	100	38	75	46	6	NW*	14	
14	56	43	50	100	74	94	48	3	WSW	4	.32
15	59	42	50	100	77	94	48	4	W	7	.01
16	65	42	54	100	54	78	47	8	W	15	
17	64	35	50	100	37	80	44	6	NW+SE	7	.01
18	61	41	51	100	75	91	48	6	WNW	8	.68
19	66	36	51	100	33	80	45	4*	S	5	
20	61	33	47	100	55	75	40	6*	W	12	
21	63	25	44	98	28	72	36	8*	WNW	11	
22	51	25	38	100	94	99	38	5	SW	9	.52
23	71	50	60	100	36	82	55	6	WNW	13	
24	53	48	50	100	70	83	45	4	E	8	
25	63	44	54	100	43	77	47	2	Var	4	
26	67	42	54	100	45	86	50	2	SE	4	
27	73	48		100	50	86	56	2	SW	4	
28	66	41	4	99	31	62	41	4	NNW	7	
29	65	39	52	100	40	71	43	5*	W	9	
30	61	34	48	100	28	69	38	2*	N	10	
	68	44	56	100	28	72	49	5	SW	18	2.18

Monthly Max = 91 Monthly Min = 25
 Peak Gust = 45 MPH 17 Sep 73
 Upper Level Winds Used.

Table A13. Monthly meteorological summary.

October 1973											
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Speed (MPH)	Wind	Max-Hourly	Precipitation (in.)
	Max	Min	Ave	Max	Min	Mean	Mean (°F)		Dir.		Amt.
1	72	33	52	100	29	88	48	2*	SW	4	
2	74	36	55	100	65	89	52	4*	SW	6	
3	65	58	62	100	95	99	62	4*	W	5	.33
4	72	56	64	100	60	88	60	4*	NNW	5	.54
5	67	48	52	99	44	82	47	5	SW	11	.26
6	62	33	48	100	18	65	37	7*	N	15	.44
7	67	29	48	100	28	77	41	3	ENE		
8	66	29	48	100	25	77	41	3	NNW	5	
9	68	32	50	100	22	75	42	3	E	4	
10	54	34	44	100	54	81	39	6*	"	8	
11	61	35	48	100	35	77	41	"	"	"	
12	72	34	53	100	31	77	46	3*	W	6	
13	71	38	54	100	52	78	47	3	SSW	7	
14	59	41	50	97	35	59	36	8	SSW	16	.06
15	63	33	48	100	21	64	37	8	WNW	11	
16	49	30	40	100	43	69	31	4	W	12	
17	46	30	38	98	43	70	29	4	WNW	10	
18	44	28	36	98	57	87	33	2*	SW	5	.06
19	52	27	40	98	29	73	32	3*	SW	7	
20	44	36	40	100	75	87	36	3*	WSW	5	.06
21	56	26	41	100	29	63	29	5*	NE	12	
22	63	23	43	100	37	82	38		Calm	8	
23	69	30	50	100	39	78	43	2	SSW	4	
24	76	42	54	100	28	76	47	2	WSW	3	
25	52	43	48	100	73	85	44	2	SE	4	
26	61	40	50	100	54	83	45	2	Var	3	
27	50	25	38	100	44	65	27	6	NW	11	
28	47	19	33	98	35	64	22	3	ESE	5	
29	41	32	42	95	55	73	34	4	ENE	8	.05
30	61	41	51	100	83	91	48	5	ENE	11	.59
31	62	34	48	100	35	84	43	3	ESE	8	
	60	34	47	100	18	78	41	4	W	16	2.39

Monthly Max = 76°F Monthly Min = 19°F
 *Upper Level Winds Used
 Peak Gust = 41 MPH, 14 Oct 73

Table A14. Monthly meteorological summary.

November 1973											
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Speed (MPH)	Wind Dir.	Max-Hourly	Precipitation (in.)
	Max	Min	Ave	Max	Min	Mean					Amt.
1	50	34	42	98	50	82	37	5	NNE	14	.60
2	57	43	50	98	33	51	33	7	WSW	12	.04
3	47	36	42	98	33	54	27	8	W	17	.17
4	40	21	30	87	31	44	11	6	WNW	14	
5	38	18	28	98	30	58	15	4	SSW	7*	
6	26	19	24	87	41	57	11	5	W	9*	
7	27	16	22	97	40	70	14	4	Var	8*	
8	41	23	32	97	41	67	22	3	SW	7*	.02
9	36	21	28	97	31	49	11	5	SE+NW	9	
10	31	18	24	99	46	62	13	6	NW	10	
11	37	17	27	99	32	70	18	4	SE	8	
12	40	21	30	92	54	71	22	4	SW	7	
13	45	36	40	79	53	60	27	3	SW	5	
14	64	40	52	85	37	61	39	4	SW	11	
15	44	31	38	100	96	99	38	2	NE	7	.37
16	43	30	36	100	53	79	30	5	NW	8	.36
17	36	25	30	64	45	53	15	5	SW	9	
18	43	28	36	87	35	58	23	4	SW	7	
19	39	23	31	90	40	72	23	3	NW	7	
20	34	15	24	100	55	72	16	4	N	9	
21	42	14	28	100	50	75	21	3	S	5	.03
22	46	37	42	99	89	97	41	1	Var	2	.07
23	44	34	39	99	80	97	38	1	Var	3	
24	39	31	35	99	99	99	35	2	NE	3	.17
25	49	33	41	99	64	78	35	7	NW	13	.08
26	45	22	34	84	31	67	24	3	N	6	
27	37	29	33	98	71	89	30	4	SE	9	.40
28	43	37	40	98	89	97	39	3	S	6	.26
29	46	32	39	98	46	59	26	5	S	10	T
30	32	26	32	26	60	75	25	4	S	8	.02
	40	27	34	100	30	71	25	4	WSW+S	17	2.59

Monthly Max = 64°F Monthly Min = 14°F
 Peak Gust = 35 MPH 2 Nov 73
 Upper Level Winds Used.

Table A15. Monthly meteorological summary.

December 1973												
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Speed (MPH)	Wind Dir.	Max-Hourly	Precipitation (in)	
	Max	Min	Ave	Max	Min	Mean					Amt.	Snow Depth
1	31	20	26	75	47	55	12	9	NNW	11		
2	29	16	22	88	36	59	10	4	NNW	8		
3	37	14	26	100	56	85	11	2	Var	5	T	
4	44	20	32	100	67	88	29	1	Var	2		
5	61	33	47	99	83	96	46	2	Var	11	.50	
6	61	34	48	96	43	59	34	4	S	10		
7	35	15	25	90	46	62	14	5	N	10		
8	26	13	20	98	66	88	17	1	Var	2		
9	46	19	32	99	85	95	31	4	Var	7	.35	
10	46	26	36	100	56	80	30	3	S	7		
11	33	24	28	100	60	82	23	3	N	7		
12	30	13	22	91	36	59	10	6	NNW	12		
13	33	13	23	96	42	67	14	3	Var	10	T	
14	39	26	32	100	70	92	30	3	NNW	12	.81	
15	23	13	18	70	58	65	8	8	NNW	13		
16	20	13	16	89	51	65	6	7	NNW	11	.08	1
17	16	12	14	96	82	90	12	6	N	14	1.23	2
18	18	7	12	94	85	88	9	5	NNW	15	.04	5
19	17	-12	2	75	52	62	-8	5	Calm	5		5
20	18	-1	8	100	62	86	5	3	S	7	.02	5.5
21	43	21	32	100	64	95	31	4	ENE	11	2.29	4
22	22	14	18	72	44	58	6	5	NW	8		3
23	28	17	22	93	59	74	15	3	S	10		3
24	16	3	10	90	46	69	2	5	N	10		3.5
25	26	12	19	99	61	81	14	2	N	4	.07	3.5
26	44	29	36	100	99	100	36	3	NE	8	.30	3.5
27	40	36	38	100	75	94	36	1	SSW	6	.54	3.0
28	42	25	34	100	45	79	28	4	SSW	8	.12	3.0
29	42	23	32	100	48	81	27	2	SSW	6		2.0
30	42	23	32	87	33	50	15	6	SSW	12		2.0
31	24	20	22	98	48	87	20	2	N	4	.35	4.0
	33	17	25	100	36	77	19	5	NNW+SSW	15	6.70	Max = 5.5

Monthly Max = 61°F Monthly Min = -12°F
 Peak Gust = 34 MPH 30 Dec 73

Table A16. Monthly meteorological summary.

January 1974												
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Speed (MPH)	Wind Dir.	Max-Hourly	Precipitation (in)	
	Max	Min	Ave	Max	Min	Mean					Amt.	Snow Depth
1	33	24	28	99	58	86	24	2	SSW	3		4.5
2	25	13	19	92	41	64	9	2	N	5	T	4.5
3	24	14	19	97	56	80	14	2	Calm	2	T	3
4	31	14	22	99	46	78	16	2	Var	3		3.4
5	27	13	20	99	38	76	14	2	Var	3		3.4
6	27	13	20	98	50	80	15	2	Calm	2		3.5
7	29	13	21	99	41	67	12	3	SSW	5		3.5
8	18	13	16	79	29	49	0	3	N	5		3.4
9	14	6	10	98	70	89	7	2	NE	4	.08	5
10	16	7	12	99	97	99	12	2	NE	3	.12	9
11	22	12	17	99	67	94	16	2	Var	3	.26	11
12	22	-1	10	90	32	60	-1	2	NW	5		11
13	18	-16	1	97	34	66	-8	2	NW	4		10.5
14	24	-19	2	91	43	70	-6	2	S	5		10
15	36	22	29	92	47	69	20	5	NE	9	T	9
16	21	9	15	93	69	80	10	6	NE	10	.08	9
17	10	-17	-4	74	28	50	-18	8	NNW	15	.01	9
18	8	-23	-8	88	40	64	-18	2	ENE	4	.05	8.5
19	29	1	15	95	40	69	7	6	NNE	17	.12	8.5
20	27	-8	7	93	32	65	-2	3	NE	8		9
21	34	20	27	97	74	86	23	5	S	9	.50	8
22	42	25	34	93	39	64	23	7	WSW	10		7.5
23	40	23	32	100	61	83	27	3	S	8	.14	6
24	37	26	32	74	37	56	18	3	S+NE	5		6
25	41	16	28	100	35	72	20	3	S	9		5
26	46	17	32	100	33	73	24	3	SE	7	.09	5
27	56	34	45	100	38	70	36	9	SW	22	.12	4.2
28	43	30	36	100	45	72	28	3	SW+NE	7	.34	2.5
29	37	28	33	100	60	85	28	3	NW	7	.08	3
30	35	18	26	100	35	71	18	4	S	11		1.5
31	22	9	16	91	47	84	12	8	S	19	.07	0
32	29	11	20	100	28	73	12	3	NNE+SSW	22	2.06	Max = 11

Monthly Max = 56°F Monthly Min = -19°F
Peak Gust = 50 MPH 27 and 31 Jan.

Table A17. Monthly meteorological summary.

February 1974												
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Speed (MPH)	Wind Dir.	Max-Hourly	Precipitation (in)	
	Max	Min	Ave	Max	Min	Mean					Amt.	Snow Depth
1	26	10	18	88	27	45	0	11	NW	15		0
2	14	6	10	60	25	44	-8	8	N	12		0
3	14	0	7	47	24	33	-16	7	N	10		0
4	18	0	9	77	34	46	-8	7	NW	9		0
5	11	-1	5	72	33	52	-9	10	N	16		0
6	25	-6	10	96	35	53	-4	4	N	6	.02	0
7	22	9	16	91	47	80	11	4	NE	7	.22	5
8	16	-10	3	90	57	77	-3		Calm	5		6
9	18	-7	6	87	32	67	-3	3	NW	13		5
10	21	-16	2	85	35	66	-6	2	S	6		4.5
11	27	8	18	91	36	77	12	2	SW	8		4.5
12	28	-4	12	91	30	66	3	2	S	7		4
13	46	11	28	100	58	81	23	2	S	8		3.5
14	41	-5	18	85	36	59	6	9	NNW	15		2.5
15	24	-9	7	100	33	71	-1		Calm	10		1.5
16	27	-6	10	100	43	72	3		Calm	9		1
17	35	21	28	100	52	79	22	8	N	10		1
18	27	7	17	100	52	71	9	7	NW	13		0.5
19	30	6	18	100	71	95	17	3	S	7	.31	0.5
20	39	29	34	100	55	80	28	6	NNW	14	.06	0
21	42	20	31	92	33	60	19	7	NNW	9		4
22	39	25	32	100	62	96	31	4	S	10	1.39	3
23	28	20	20	100	43	62	18	9	NW	18	.04	2
24	27	10	18	94	42	59	6	6	NW	9		1
25	42	15	24	89	51	73	17	6	NNW	9		0
26	30	10	20	100	35	65	10	4	NNW	11		0
27	28	10	24	100	45	69	15	3	Var	8		0
28	46	24	35	90	46	68	26	3	Var	8		0
29	29	6	18	100	24	67	8	5	NW	18	2.04	Max = 8

Monthly Max = 46°F Monthly Min = -16°F

Peak Gust = 30 MPH 23 Feb 74

*Strong winds to 50 MPH blew over instrument shelter - hygrothermograph broken - no humidity and dewpoint values 1-6 Feb 74.

Data obtained using Lelanon Airport Data.

Table A18. Monthly meteorological summary.

March 1974										
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind		Precipitation (in) Amt. Snow Depth
	Max	Min	Ave	Max	Min	Mean		Speed (MPH)	Dir. Max-Hourly	
1	48	29	38	100	44	68	8	4	S	14
2	34	22	28	100	59	82	23	3	Var	6
3	34	30	32	100	72	86	28	6	SSE	14
4	44	33	38	100	89	99	38	2	Var	10
5	51	38	44	100	39	73	36	5	W	14
6	57	25	41	100	30	70	32	5	Var	14
7	63	37	50	95	34	63	38	7	SSW	14
8	43	26	34	48	40	45	15	10	NNW	17
9	31	23	27	100	48	56	13	4	NNW	10
10	32	23	28	100	40	69	19	10	NNW	22
11	34	19	26	58	37	48	9	11	NW	16
12	26	14	20	48	28	38	-2	11	NNW	18
13	25	10	18	55	37	49	2	11	NNW	16
14	38	20	29	66	42	51	13	10	NNW	14
15	45	16	30	100	26	53	15	4	NNW	8
16	36	30	33	100	70	94	31	3	S	7
17	35	24	30	100	66	80	25	8	S	16
18	36	22	29	100	46	70	20	5	NW	8
19	40	22	31	100	58	84	27	5	S	8
20	35	21	28	76	32	54	14	9	N	14
21	31	20	26	100	67	91	24	4	N	8
22	34	12	23	100	52	72	15	5	S	12
23	50	9	30	100	42	76	23	6	S	18
24	44	22	33	100	36	75	26	6	S	10
25	27	12	18	90	30	43	-1	5	NW	10
26	45	11	28	100	37	68	19	7	S	15
27	32	17	24	75	33	47	7	6	NW	14
28	25	7	16	100	33	61	5	8	NW	17
29	37	1	19	95	28	50	3	4	S	10
30	38	25	32	100	45	75	25	5	NE	11
31	42	34	38	100	74	92	36	4	NW	7
	30	21	30	100	46	67	20	7	NE+S	22
										2.51 Max =

Monthly Max = 63°F Monthly Min = 10°F
Peak Gust = 48 MPH 10 Mar 74

Table A19. Monthly meteorological summary.

April 1974										
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind		Precipitation (in) Amt. Snow Depth
	Max	Min	Ave	Max	Min	Mean		Speed (MPH)	Dir. Max-Hrly	
1	46	28	37	100	43	65	26	7	NW	13
2	37	28	32	100	73	97	31	2	SW	4
3	71	31	51	100	29	65	40	4	S	10
4	67	47	57	100	65	90	54	4	S	8
5	57	35	46	100	84	99	46	3	S	8
6	37	29	33	100	57	77	32	6	NW	10
7	40	21	30	95	41	66	20	8	S	19
8	56	29	42	100	34	53	26	7	N	10
9	27	21	24	100	65	95	23	7	N	10
10	29	20	24	100	58	75	17	8	NW	16
11	54	15	34	100	37	71	26	4	Var	13
12	48	27	38	100	53	77	32	4	Var	8
13	43	40	42	100	88	94	40	5	SSE	8
14	71	38	54	100	48	84	49	5	SSW	10
15	53	44	48	100	52	69	38	7	SSW	13
16	50	31	40	99	38	58	26	7	NNW	14
17	66	28	47	100	23	56	32	4	Var	10
18	64	33	48	100	36	66	37	5	Var	15
19	52	29	40	100	26	53	24	6	Var	10
20	59	25	42	100	21	54	27	3	NW	6
21	78	28	53	100	24	54	37	4	SW	7
22	80	48	64	100	39	67	53	6	SSW	13
23	55	47	51	100	58	85	47	3	SSW	6
24	47	37	42	100	75	91	40	7	N	15
25	58	31	44	100	30	63	32	5	N	11
26	55	36	46	100	40	71	37	6	NNW	17
27	73	30	52	100	29	68	42	3	Var	8
28	84	39	62	100	32	61	48	5	SSW	11
29	78	56	67	100	47	66	55	5	SSW	8
30	79	54	66	100	32	64	54	4	S	10
Avg. Monthly	57	34	45	100	21	72	36	5	SSW & NW	19
										1.69 Total

Monthly Max = 84°F
Monthly Min = 15°F
Peak Gust = 40 MPH on 7 April

Table A20. Monthly meteorological summary.

May 1974												
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean	Mean (°F)	Speed (MPH)	Dir.	Max-Min	Amt.	Snow Depth
1	67	39	53	100	36	60	40	10	NNW	18	0.34	
2	59	33	41	99	23	44	21	7	NNW	10		
3	58	30	44	99	37	84	40	2	Var	5	0.29	
4	53	28	40	99	31	66	27	8	NW	16	0.01	
5	57	25	41	98	25	59	28	4	Var	8		
6	51	30	40	97	36	75	33	5	SE	12	0.10	
7	50	36	43	97	43	73	35	4	Var	8	0.06	
8	58	35	46	98	38	69	37	3	Var	7		
9	66	41	54	96	38	69	44	7	SE	15		
10	49	46	48	100	88	99	48	3	Var	8	0.53	
11	62	47	54	100	47	76	47	3	Var	7		
12	52	49	50	100	76	93	48	7	SE	11	0.77	
13	58	45	52	100	54	73	44	5	SSW	8	0.01	
14	77	41	59	99	34	57	43	7	S	13		
15	91	49	70	99	25	57	54	7	S	16		
16	78	48	63	100	32	57	43	4	NW	10		
17	80	49	65	98	45	74	57	5	Var	14	0.08	
18	71	43	57	98	34	60	44	10	NNW	11		
19	63	37	50	95	30	53	34	5	NNW	14		
20	65	35	50	96	30	54	34	4	NNW	8		
21	70	37	54	97	30	66	43	2	Var	6		
22	83	55	69	100	44	71	59	4	Var	11		
23	57	47	52	100	86	98	52	4	SSE	9	0.29	
24	54	47	51	100	83	97	50	4	SE	11	0.23	
25	61	48	55	99	48	89	52	6	Var	13	0.04	
26	49	45	47	98	81	94	46	2	Var	6	0.25	
27	55	45	50	100	64	79	44	3	Var	7		
28	63	45	54	100	44	83	49	3	Var	15		
29	52	44	48	100	81	98	48	2	Var	5	0.04	
30	66	49	58	100	49	82	48	3	Var	9		
31	67	49	58	100	47	77	46	6	N	12		
Avg.	62	42	55	100	23	74	43	5	Var. & NNW	18	3.04	Total

Monthly Max = 91°F

Monthly Min = 25°F

Peak Gust = 42 MPH on 1 May.

Table A21. Monthly meteorological summary.

June 1974												
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean	Mean (°F)	Speed (MPH)	Dir.	Max-Min	Amt.	Snow Depth
1	72	52	62	100	33	74	54	4	NNW	11	.07	
2	72	43	58	100	34	71	49	1	Var	4		
3	77	43	60	100	28	80	54	2	S	10		
4	79	49	64	100	29	72	55	2	SSW	4		
5	87	49	68	100	31	67	57	4	S	11		
6	76	56	66	99	44	69	56	5	Var	15		
7	76	43	59	98	27	59	45	4	Var	10		
8	85	38	62	98	44	70	52	3	Var	7		
9	88	56	72	100	45	78	65	3	Var	7		
10	92	64	78	100	49	78	71	5	SSE	10	.38	
11	80	52	66	100	49	76	58	4	ESE	12	.14	
12	79	45	62	100	40	75	54	4	S	9	.09	
13	73	45	59	100	31	67	48	4	S	10		
14	72	48	60	100	37	85	56	3	Var	8	.32	
15	77	50	64	100	37	7	55	3	SE	13		
16	62	59	61	100	86		58	3	SSE	7	.11	
17	78	62	70	100	64	84	65	3	SSE	9	.30	
18	76	52	64	100	33	72	55	2	Var	7		
19	75	49	62	100	47	74	54	3	S	9		
20	79	58	69	100	42	75	61	4	SSW	9	.04	
21	68	54	61	99	65	89	58	2	Var	4	.09	
22	73	55	64	98	50	79	58	3	Var	10	.25	
23	71	51	61	100	40	77	54	4	N	8		
24	75	49	62	100	48	87	58	4	N	8	.06	
25	68	55	62	100	52	84	57	4	N	11	.09	
26	58	54	56	100	91	99	56	2	Var	5	.12	
27	66	53	59	100	60	87	55	2	Var	5	.04	
28	72	51	62	100	38	70	52	5	SE	11		
29	70	55	63	100	65	85	59	4	SE	8	.48	
30	77	57	67	100	46	73	58	5	S	10		
Avg.	75	53	63	100	77	77	56	3	Var	15	2.58 Total	

Monthly Max = 92°F

Monthly Min = 38°F

Peak Gust = 21 MPH on 6 June.

Table A22. Monthly meteorological summary.

July 1974

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind		Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir. Max-Hrly	Amt.	Snow Depth
1	78	53	66	100	42	76	58	5	SSW 19	.01	
2	78	50	64	100	32	88	60	3	S 8	.03	
3	81	64	73	100	62	81	67	4	SSW 10	.12	
4	89	66	78	100	53	82	72	5	SSW 13	.16	
5	69	64	67	100	86	92	65	3	SE 7	.04	
6	77	57	67	99	41	71	57	4	NNW 10		
7	81	56	69	99	53	81	63	3	NNW 7	.02	
8	83	61	72	100	57	87	68	2	NNW 4	.26	
9	87	63	76	100	52	75	68	4	S 16		
10	79	55	67	100	46	71	57	6	NNW 12		
11	69	52	61	100	49	75	53	7	NNW 15		
12	76	50	63	100	40	70	53	4	NNW 15	.10	
13	87	56	72	99	31	70	62	3	S 8	.10	
14	91	62	77	100	46	75	69	3	SSW 7	.42	
15	82	64	73	100	65	97	72	3	SSW 8	.42	
16	76	56	66	100	45	80	60	2	NNE 5		
17	78	46	62	100	34	73	54	3	SSE 8		
18	85	58	72	100	41	75	64	4	SSW 12		
19	80	67	74	100	53	89	71	5	SSW 9	.43	
20	72	54	63	100	39	69	53	7	NNW 15		
21	78	46	62	100	44	79	56	3	SSE 7		
22	82	50	66	100	42	80	60	3	NNE 5		
23	80	56	68	100	52	89	65	3	S 11		
24	73	61	67	100	48	81	61	7	ESE 10		
25	77	58	68	100	43	77	61	2	S 6		
26	76	53	65	100	55	83	60	2	SE 6		
27	73	62	68	100	74	91	65	1	SSW 4		
28	82	64	73	100	68	91	70	3	SE 8	.02	
29	81	68	75	100	59	90	72	4	SSE 11	.14	
30	76	63	70	99	81	91	67	3	SSE 5	.10	
31	81	58	70	100	44	87	66	2	SSW 7		
Avg.	79	56	69	100	51	84	63	4	SSW 16	2.37 Total	

Monthly Max = 91°F

Monthly Min = 46°F

Peak Gust = 37 MPH on 19 July

Table A23. Monthly meteorological summary.

August 1974

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind		Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir. Max-Hrly	Amt.	Snow Depth
1	79	54	67	100	54	79	60	2	SSW 5		
2	84	63	74	100	48	80	68	1	SSW 3		
3	85	63	74	100	57	86	70	2 ¹	S 4 ¹	.95	
4	86	68	77	100	56	89	74	M	M M	.08	
5	77	58	68	100	55	80	62	2 ²	SSW 5		
6	81	54	68	100	41	79	61	1	NNW 4		
7	80	54	67	100	46	82	61	1	S 2	.15	
8	84	54	69	100	51	83	64	1	NNW 6		
9	68	56	62	100	72	94	60	1	N 3		
10	77	53	65	100	46	82	60	1	N 3		
11	82	50	66	100	40	79	59		Calm 2		
12	87	52	70	100	41	76	62		Calm 2		
13	87	54	72	100	35	78	65		Calm 2		
14	79	57	68	100	51	79	61	2	NNW 10		
15	75	52	64	100	34	73	56	2	NNW 8		
16	83	44	64	100	38	76	56		Calm 1		
17	78	50	64	100	73	95	63	1	SSW 5	.60	
18	82	60	71	100	52	86	67		Calm 2		
19	84	55	70	100	42	84	65		Calm ³ 1		
20	84	56	70	100	41	80	64		Calm ⁴ 1		
21	87	55	71	100	51	85	66		Calm 1		
22	88	58	73	100	35	76	65	1	S 3		
23	78	58	68	100	82	97	67		Calm 2	.03	
24	83	64	74	100	56	80	68	2	S 8	.04	
25	76	52	64	100	38	73	55	2	N 8		
26	76	50	63	100	56	78	56	2	SSE 7		
27	81	60	71	100	69	92	69	3	S 12	.08	
28	75	58	67	100	62	88	63	1	N 5	.04	
29	63	59	61	100	97	100	61	1	S 2	1.27	
30	69	59	64	100	97	100	64		Calm 1	.14	
31	77	52	67	100	58	87	64	1	SSE 3		
Avg.	80	56	68	100	54	81	63	1	Var ⁵ 12	3.38 Total	

Monthly Max = 88°F

Monthly Min = 44°F

Peak Gust = 24 MPH on 14 August

¹ Wind data for first 13 hrs. of day only.² Wind data for last 15 hrs. of day only.³ Wind data for 20 hrs. only.⁴ Wind data for 22 hrs. only.⁵ The monthly wind avg. is taken from 26 complete days only.

Table A24. Monthly meteorological summary.

September 1974

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	74	58	66	100	38	75	58	1	NW	3	.14	
2	62	55	59	100	89	98	59		Calm	1	.20	
3	56	55	56	100	100	100	56	1	NE	2	1.24	
4	60	46	53	100	76	96	52	1	NNW	4	.12	
5	70	43	57	100	45	86	58		Calm	2		
6	66	43	55	100	68	93	53	1	N	1		
7	73	51	62	100	56	87	58		Calm	1	T	
8	76	53	65	100	54	89	62	1	S	4		
9	78	55	67	100	57	87	63	1	SSW	4		
10	78	53	66	100	68	92	64		Calm	Calm		
11	78	59	69	100	62	90	66	1	S	6		
12	80	57	69	100	69	89	66	1	S	3	.02	
13	81	67	74	100	62	90	71	2	S	8	.78	
14	68	45	57	99	54	79	51	1	NNW	5		
15	68	47	58	100	49	83	53	2	S	8		
16	66	44	55	100	47	74	47	1	NNW	6		
17	70	40	55	100	52	84	51	2	S	8	.05	
18	64	42	53	100	51	85	49	2	NE	4		
19	70	39	55	100	72	93	53	1	S	6		
20	75	59	67	100	76	95	66	1	S	6	.13	
21	63	51	57	100	96	100	57	1	N	4	1.08	
22	63	43	53	100	52	83	48	1	NNW	6		
23	53	35	44	100	50	75	37	2	NNW	8		
24	55	24	40	100	39	80	34	1	NE	3		
25	54	32	43	100	67	94	42	1	SSW	2	.10	
26	64	45	55	100	55	88	52		Calm	1		
27	76	44	60	100	55	88	57	1	S	4		
28	65	50	58	100	100	100	58		Calm	2	.46	
29	74	57	66	100	74	97	65	1	SSW	5	.75	
30	61	40	51	93	44	67	41	6	SSW	11		
Avg.	68	48	58	100	38	88	55	1	S	11	5.07 Total	

Monthly Max = 81°F

Monthly Min = 24°F

Peak Gust = 26 MPH on 29 September.

Table A25. Monthly meteorological summary.

October 1974

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	48	32	40	100	56	86	37		Calm	2		
2	48	39	44	100	66	94	42	2	N	3	.10	
3	42	38	40	100	66	82	35	2	NNW	11		
4	49	29	39	100	38	76	32	2	NNW	7		
5	66	29	48	99	47	82	43	1	SSW	2		
6	75	40	58	100	47	98	57	1	SSW	9		
7	61	36	49	100	45	77	42	2	SSW	8		
8	50	29	40	100	40	74	33	1	NNW	5	T	
9	56	29	43	100	42	79	37	1	N	3		
10	53	35	44	100	66	83	39	2	NNW	4		
11	56	29	48	100	37	76	41		Calm	2	T	
12	57	34	41	100	69	89	38	2	SSW	8		
13	53	30	42	100	39	78	36	2	NNW	7		
14	59	30	45	100	70	97	44	2	SSW	9	.07	
15	60	41	51	100	72	92	50	3	SSW	6	.18	
16	44	40	42	100	99	100	42	1	N	3	.49	
17	47	41	44	100	97	100	44	1	SSW	3	.09	
18	41	23	32	100	35	63	21	3	NNW	8	.02	
19	41	20	31	100	38	71	23	2	NNW	5	T	
20	33	29	31	74	58	67	22	7	NNW	14	T	
21	38	27	33	86	47	68	24	3	NNW	11		
22	61	22	42	100	29	70	36	1	SSW	5		
23	59	36	48	87	38	62	36	2	NNW	11		
24	52	25	39	100	31	68	30	1	NNW	7		
25	46	26	36	100	66	92	34	1	S	3	.03	
26	50	36	43	99	42	60	30	2	NNW	5		
27	46	23	35	92	34	54	20	4	NNW	14	T	
28	52	18	35	100	32	73	27	1	SSW	2		
29	62	26	44	100	54	91	42	1	SW	2	.01	
30	59	39	46	100	72	90	43	1	S	4		
31	65	33	59	100	84	97	58	1	SSW	5	.16	
Avg.	56	32	42	100	29	80	37	2	NNW	14	1.15 Total	

Monthly Max = 75°F

Monthly Min = 18°F

Peak Gust = 32MPH on 27 October.

Table A26. Monthly meteorological summary.

November 1974												
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed(MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	75	53	64	100	55	84	59	3	SSW	15		
2	49	27	38	100	58	77	32	4	NNW	10		
3	52	23	38	100	52	87	35	1	NNE	2		
4	52	38	45	100	94	99	45	1	N	3	.35	
5	43	41	42	99	99	99	42	1	NE	3	.55	
6	49	38	44	99	78	93	42	1	NE	3		
7	51	28	40	97	52	90	37	1	NNE	2		
8	52	32	42	96	42	70	33	2	NNW	5		
9	47	24	36	96	48	80	31	3	NNW	9		
10	50	25	38	M	M	M	M	1	NNE	2		
11	57	26	41	M	M	M	M	1	N	1		
12	51	37	44	92	86	89	41	2	SSE	6		
13	50	28	39	98	47	80	34	4	SSW	11	.26	
14	53	24	39	98	49	79	33	3	SSE	14	.06	
15	41	29	35	98	50	74	28	3	S	9	.21	
16	39	29	34	98	50	72	26	2	S	5		
17	31	23	27	99	98	99	27	2	S	1	.13	
18	48	24	36	99	64	96	35	2	SE	4	.04	T
19	47	27	38	98	61	93	36	1	N	2	.02	
20	44	28	36	98	91	98	35	2	ESE	5	.48	
21	44	22	33	98	78	93	31	5	NNW	13	.98	
22	25	18	21	80	62	77	15	10	NNW	15		
23	40	13	22	99	49	82	17	1	S	5		
24	42	24	33	100	81	94	31	2	SSW	5		
25	39	20	31	100	79	95	30	5	NNW	11	.03	
26	22	17	19	90	54	66	10	10	NNW	22	.01	T
27	32	13	20	97	30	59	8	5	NNW	14	.01	T
28	30	13	18	98	49	82	13	2	N	5		
29	33	18	24	95	46	77	18	4	NNW	8		T
30	34	13	23	99	53	82	18	4	N	10		
Avg.	43	26	35	100 ¹	30 ¹	84 ¹	30 ¹	3	N	22	3.13 Total	T

Monthly Max = 75°F

Monthly Min = 13°F

Peak Gust = 31 MPH on 26 November.

1. 28 days data

M. = Missing

Table A27. Monthly meteorological summary.

December 1974												
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean	Mean (°F)	Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	28	13	21	100	70	96	20	2	N	8		
2	44	20	32	100	72	95	31	5	NE	14	.15"	
3	36	26	31	98	67	79	26	6	NNW	13	.03	
4	26	10	18	78	44	60	7	9	NNW	18		
5	26	7	17	98	43	80	12	2	N	5		
6	30	10	20	99	64	89	17		Calm	3		
7	33	13	23	99	86	95	22	1	S	2		
8	57	31	44	100	81	97	43	6	SE	15	.22	
9	53	26	39	100	69	82	34	3	SSW	7	.04	
10	35	22	29	82	43	67	20	3	S	8	.03	
11	38	26	32	96	69	82	27	2	S	7		
12	35	27	31	96	87	95	30	1	S	3	.15	2
13	35	29	32	96	96	96	31	1	S	4	.02	2
14	36	25	31	96	70	91	29	3	N	7	.03	2
15	32	17	25	96	42	76	19	3	NNW	7		2
16	33	20	27	96	55	85	24	3	NE	7	.42	6
17	41	27	34	96	74	92	32	1	NNW	3	.22	6
18	38	28	33	96	62	83	29	2	SSW	6	T	6
19	34	29	32	96	62	77	26	2	S	7		6
20	34	25	30	96	96	96	29	1	NE	5	.01	6
21	37	28	33	96	86	95	32	1	S	2		6
22	38	23	31	96	65	89	28	2	NE	6	.10	7
23	34	17	26	98	77	94	25	1	S	7	.02	7
24	40	22	31	98	68	91	29	1	NNW	4	.20	6
25	34	14	24	97	76	94	23	2	NNW	10		10
26	23	-2	11	96	58	87	8	1	NE	6		10
27	25	0	13	96	86	95	12	1	S	3		10
28	39	14	27	96	56	85	23	2	NNW	11		9
29	29	10	20	97	92	96	19	1	N	3		9
30	40	15	28		58	88	25	2	NNW	7		8
31	34	8	21	97	60	90	19		Calm	2	.10	8
Avg.	35	19	27	96	69	88	24	2	NNW	18	1.74 Total	10 Max

Monthly Max = 57°F

Monthly Min = -2°F

Peak Gust = 28 MPH on 3 December.

Table A28. Monthly meteorological summary.

January 1975

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	33	22	28	96	74	92	26	2	NNW	6	.10	10
2	29	10	19	96	35	71	11	"	"	"	.01	10
3	24	2	13	96	70	93	11	"	SSW	"		10
4	24	18	29	96	54	86	25	2	SSW	6		10
5	32	8	20	97	49	83	16	2	NE	13		10
6	26	-1	13	98	36	85	9	2	SSE	9		10
7	34	26	29	98	97	97	28	1	NE	6	.18	12
8	39	27	33	97	73	94	31	1	S	7	T	11
9	35	31	33	97	74	95	32	2	SSE	10	.37	11
10	37	31	34	97	95	96	33	2	SSE	7		9
11	43	34	39	96	96	96	38	3	SSE	8	.02	6
12	42	28	35	77	36	80	29	1	S	5		5
13	33	24	29	97	71	94	27	2	NE	10	.10	6
14	27	13	20	97	44	80	15	2	NW	8	.01	6
15	24	10	17	97	45	77	11	2	S	8		6
16	27	9	18	96	60	90	16	4	S	11		7
17	20	-5	8	96	31	61	-7	4	NNW	11		7
18	24	-7	9	96	91	96	8	1	SW	4	.42	14
19	38	23	31	96	56	81	26	"	"	"		12
20	27	-11	8	97	49	66	-1	"	"	"		12
21	22	-14	4	97	50	87	1	2	S	6	.03	12
22	34	1	18	97	55	80	13	4	NNW	11		12
23	21	-9	6	97	39	80	1	1	NE	6	T	12
24	40	7	17	97	48	83	13		Calm	3		11
25	35	25	30	97	97	97	29	1	S	7	.88	10
26	35	20	28	98	67	88	25	7	S	17	.17	11
27	28	8	18	98	57	85	14	1	N	3	T	11
28	33	8	21	"	58	87	18	1	NW	6	.01	11
29	42	12	27	97	54	93	25	3	SW	14	.45	12
30	26	4	15	96	32	60	4	8	N	20		11
31	28	-2	13	97	33	78	8		Calm	3		11
Avg.	31	11	21	98	31	85	17	2	W ²	20 ¹	2.75 Total	14 Max

Monthly Max = 43°F
 Monthly Min = -14°F

Peak Gust = 33 MPH on 29 January.

1. 27 days data
 2. 28 days data

Table A29. Monthly meteorological summary.

February 1975

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	26	3	15	97	38	84	11	3	N	10		11
2	27	-4	12	97	32	73	5	1	SW	7		11
3	24	-3	11	97	30	69	3	5	NNW	17		11
4	13	-6	4	89	46	66	-6	2	NE	5		11
5	23	7	15	97	80	94	14	1	N	2	.29	18
6	31	22	27	97	97	97	26		Calm	1	.34	21
7	39	10	25	97	50	83	21	2	NW	7	T	20
8	28	-2	13	97	52	78	8	5	S	15	.02	20
9	23	-5	9	98	71	91	7	3	NE	8		21
10	21	-16	3	98	46	87	0	1	SSW	7		21
11	21	0	11	100	97	99	11	1	N	3	.02	22
12	14	-9	3	100	100	100	3		Calm	1		22
13	20	-11	5	100	58	86	2	4	NNW	12		22
14	28	-7	11	100	52	79	6	4	NNW	8	.02	22
15	35	-3	16	100	44	81	11	1	N	4		20
16	40	15	28	100	72	93	26	2	N	6	.02	18
17	40	9	25	100	50	87	22	4	ESE	10	.15	18
18	33	27	30	99	96	99	30	2	S	8	.07	20
19	40	29	35	99	57	87	32	2	SSW	8	.02	18
20	40	27	34	99	47	72	26	3	NNW	12	T	18
21	39	19	29	99	48	84	25	2	NNW	8		18
22	49	11	30	99	38	72	22	1	S	7		16
23	43	33	38	100	72	95	37	1	S	5		15
24	38	33	36	100	100	100	36	3	SSW	10	.72	14
25	40	33	37	100	60	90	35	8	S	20	.04	12
26	37	33	35	82	52	62	24	12	SSW	22		11
27	36	27	33	90	46	67	23	7	SSW	16		11
28	37	24	31	96	46	72	23	3	S	9		11
Avg.	32	11	21	100	30	84	17	3	N	22	1.71 Total	22 Max

Monthly Max = 49°F
 Monthly Min = -16°F
 Peak Gust = 39 MPH on 26 February.

Table A30. Monthly meteorological summary.

March 1975												
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean	Mean (°F)	Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	37	22	30	98	39	79	24	2	NW	9	.02	12
2	32	12	22	98	48	77	16	4	N	8	T	11
3	28	19	24	"	"	"	"	4	NW	8		11
4	30	14	22	98	40	64	12	5	"	15		11
5	35	5	20	100	38	72	13	1	"	7		11
6	32	18	25	100	99	99	25	1	SSW	4	.04	12
7	43	26	35	99	55	90	33	3	SE	7	.18	11
8	33	11	22	99	57	76	16	9	NNW	16	.05	12
9	30	5	18	100	32	56	5	6	NNW	14		12
10	30	6	18	100	58	87	15	2	SSE	8		12
11	38	20	29	100	51	84	25	2	N	4		11
12	35	18	27	100	80	98	26	4	SSE	15	.11	11
13	43	25	34	100	40	71	26	5	NNW	12	.01	10
14	31	17	24	100	33	61	13	6	NNW	12	.05	10
15	35	12	24	100	58	85	20	6	N	14	.09	12
16	50	2	26	100	28	74	19	1	S	7		9
17	47	18	33	100	33	74	26	1	ESE	6		8
18	50	16	33	100	31	65	23	3	SSW	11		6
19	50	28	39	100	78	95	38	3	ESE	12	.01	5
20	51	31	41	100	82	98	40	6	NNW	20	.84 ^b	3
21	37	22	30	77	28	51	14	9	NNW	16		2
22	33	16	25	100	53	86	22	1	SSE	7	.04	2
23	48	27	33	100	38	73	25	"	"	"	.03 ^b	0
24	42	21	32	100	52	89	29	"	"	"	.08	
25	55	32	44	100	74	98	43	"	"	"	.13	
26	34	11	23	100	57	70	15	9	NNW	20		
27	23	8	16	73	43	54	3	10	NNW	18		
28	40	11	26	65	38	49	9	7	NNW	12		
29	39	16	28	100	39	84	24	2	SSW	7		
30	39	30	35	100	53	89	32	3	SSW	8	.04 ^b	
31	35	18	27	77	28	48	10	7	NNW	17		
Avg.	38	22	28	100 ¹	28 ¹	74 ¹	21 ¹	4 ²	NNW ²	20 ³	1.72 ⁵ Total	12 Max

Monthly Max = 55°F
 Monthly Min = 2°F
 Peak Gust = 34 MPH on 8 March.

M = missing
 1. 30 days data
 2. 26 days data
 3. 28 days data

4. Days data estimated from Met Records
 5. Total estimated due to missing data

Table A31. Monthly meteorological summary.

April 1975												
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	41	18	30	100	64	86	26	2	NNW	6		
2	46	17	27	100	32	67	18	2	SSW	7	1.17 ²	T
3	37	31	34	99	89	99	34	5	ESE	20	.15 ²	7
4	34	28	31	99	91	97	30	7	NNW	12		6
5	36	26	31	99	72	90	28	7	NNW	12		5
6	38	28	33	99	68	83	29	7	NNW	12	.02	5
7	33	27	30	100	72	86	26	7	NNW	13		5
8	35	28	32	92	66	75	25	7	NNW	12		4
9	35	26	31	84	57	68	22	7	NNW	14		4
10	45	16	31	100	43	64	21	4	NNW	11		4
11	46	23	35	100	37	68	26	2	NNW	8		2
12	48	20	34	100	30	64	23	2	NNW	4		1
13	43	22	33	100	45	67	23	4	N	10		
14	53	26	40	100	27	67	30	3	N	9		
15	57	23	40	100	30	67	30	1	NNE	6		
16	58	29	44	100	31	67	34	2	N	10		
17	62	27	45	100	25	65	29	"	"	"		
18	61	26	44	100	33	68	34	2	S	11		
19	65	45	55	100	35	79	49	5	SSW	22	.10	
20	49	37	43	100	50	67	33	8	SSW	15		
21	41	29	35	70	33	51	19	7	NNW	19		
22	53	24	39	100	33	62	27	"	"	"		
23	65	22	44	100	24	55	29	"	"	"		
24	48	39	44	100	42	98	43	1	SSE	5	.19	
25	53	41	47	100	60	84	43	4	N	12		
26	54	33	44	100	37	74	36	6	NNW	18		
27	49	36	43	100	53	78	37	8	NNW	21		
28	45	27	36	100	45	72	28	4	NNW	12		
29	60	23	42	100	30	70	33	2	SSE	6		
30	67	28	48	100	27	62	26	3	N	14		
Avg.	49	28	38	100	24	73	30	4 ¹	NNW ¹	22 ¹	2.17 ² Total	7 Max

Monthly Max = 67°F
 Monthly Min = 16°F
 Peak Gust = 43 MPH on 20 April.

1. 27 days data
 2. day's total incomplete
 3. Total from nearby raingage
 M = missing

Table A32. Monthly meteorological summary.

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Am't.	Snow Depth
1	65	32	49	100	40	67	39	3	S	11		
2	55	47	51	100	76	94	50	3	S	9	.03	
3	65	39	52	100	33	M	M	M	M	M		
4	51	36	44	100	72	97	93	M	M	M	.13	
5	62	40	51	100	36	72	42	3	NNW	10		
6	68	38	53	98	32	66	42	2	NNE	10		
7	65	41	53	98	31	64	41	10	N	23		
8	68	38	53	98	25	63	41	4	NNW	16		
9	74	31	53	97	21	52	36	3	NE	9		
10	75	38	57	89	27	63	43	2	S	10		
11	78	40	59	89	22	61	46	M	M	M	.27	
12	79	44	62	100	33	73	54	M	M	M		
13	74	51	63	100	47	87	59	1	N	5		
14	81	47	64	100	23	66	53	2	N	9		
15	82	45	64	100	28	53	47	6	NW	12		
16	74	47	61	100	39	72	52	5	S	15	.11	
17	76	40	58	100	29	61	46	1	N	6		
18	79	45	62	100	36	60	47	4	S	12		
19	84	50	67	100	44	M	M	1	SE	4		
20	91	54	73	100	31	66	57	1	SSW	5		
21	89	56	73	100	40	73	64	2	ESE	13	.01	
22	84	57	71	100	56	82	65	c	CALM	4		
23	91	58	75	100	43	83	70	1	NE	10		
24	85	54	70	100	27	66	58	3	NNW	11		
25	65	47	56	100	55	73	48	2	SE	8		
26	70	48	59	100	54	81	57	M	M	M		
27	77	54	66	100	60	88	63	3	SSW	15	.03	
28	74	47	61	100	34	62	48	4	NNW	19		
29	78	43	61	100	31	68	51	2	NNW	9		
30	72	50	61	100	41	87	57	1	SSE	6	.17	
31	80	56	68	100	71	96	67	2	SW	7	.20	
Avg.	91	31	60	100	21	72 ¹	53 ¹	2 ²	SE ²	23 ²	0.95 Total	

Monthly Max. = 91°F
 Monthly Min. = 31°F
 Peak Gust = 26 MPH on 28 May.

M = Missing
 1. 29 days data
 2. 26 days data

Table A33. Monthly meteorological summary.

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Am't.	Snow Depth
1	73	58	66	100	84	99	66	1	SSW	7	.20	
2	73	47	60	100	41	75	52	M	M	M		
3	61	45	53	100	70	93	51	1	ESE	3		
4	61	49	55	100	72	97	54	1	NE	3	.07	
5	63	49	56	100	55	86	52	3	SSE	10	.28	
6	52	46	49	100	81	99	49	3	S	8	.74	
7	56	46	51	100	81	97	50	2	NNW	5	.06	
8	59	38	49	100	51	78	43	5	NNW	14		
9	61	36	49	100	36	76	42	2	NNW	12		
10	75	35	55	100	28	66	44	3	NNW	14		
11	81	40	61	100	31	71	52	1	S	5		
12	61	51	56	100	100	100	56	1	S	12	1.03	
13	69	60	65	100	87	98	65	1	SSE	3	.53	
14	76	60	68	100	61	88	65	3	SE	10	.02	
15	71	65	68	100	76	90	65	M	M	M		
16	67	62	63	100	90	98	65	3	SE	15	T	
17	82	63	73	100	53	85	68	1	S	7		
18	85	62	74	100	60	89	71	3	S	13	.03	
19	81	59	70	100	54	82	71	1	NW	M	.02	
20	71	48	60	100	38	74	52	M	NNW	M		
21	79	44	62	100	34	74	54	1	N	6		
22	86	47	67	100	34	75	59	1	SSE	5		
23	93	58	76	100	51	84	68	1	S	4		
24	88	62	75	100	47	77	68	2	NW	6		
25	79	52	66	100	37	73	57	2	N	7		
26	82	46	64	100	45	76	56	1	S	9		
27	82	50	66	100	37	71	56	M	M	M		
28	82	52	67	100	51	87	63	M	M	M	.12	
29	84	62	73	100	52	91	70	M	M	M	.06	
30	80	49	65	100	38	73	56	1	calm	8		
Avg.	74	51	63	100	28	84	58	2 ¹	S ²	15 ³	3.16 Total	

Monthly Max. = 93°F
 Monthly Min. = 35°F
 Peak Gust = 27 MPH on 20 June.

1. 25 days data
 2. 26 " "
 3. 24 " "

Table A34. Monthly meteorological summary.

July 1975										
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind		Precipitation (in) Amt. Snow Depth
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir. Max-Hrly	
1	85	45	65	100	33	76	57		calm 2	
2	88	48	68	100	43	79	61		calm 6	
3	82	56	69	100	44	75	61	2	NNW 12	
4	82	50	66	100	43	81	60		calm 2	
5	85	56	71	100	42	77	64		calm calm	
6	86	54	70	100	48	80	64	1	ESE 6	
7	83	60	72	100	61	86	63	1	SSE 5	
8	87	61	74	100	53	85	69	1	S 3	
9	84	62	73	100	61	95	72	1	S 6	.30
10	82	64	73	100	52	86	69		calm 2	
11	81	60	71	100	50	82	66	2	S 8	
12	72	58	65	100	83	96	64		calm 2	.03
13	69	64	67	100	100	100	67	M	" "	2.28
14	78	68	73	100	82	98	73	M	" "	.25
15	79	62	71	100	62	92	69		calm 3	.36
16	82	61	72	100	75	97	71	M	" "	
17	86	64	75	100	48	83	70	1	S 3	
18	88	61	75	100	42	85	70		calm 2	
19	85	63	74	100	59	85	69	2	S 8	
20	81	68	75	100	72	90	72	M	" "	
21	79	61	70	100	66	94	69	M	" "	.70
22	82	60	71	100	52	84	66		calm 2	
23	88	60	74	100	55	85	69		calm 3	
24	87	63	75	100	69	91	73	3	S 14	.65
25	78	54	66	100	54	87	62	"	" "	.01
26	74	50	62	100	45	76	55	1	NW 3	
27	79	49	64	100	42	82	64	2	S 14	
28	82	60	71	100	53	82	66	3	S 14	.02
29	79	55	67	100	51	83	62	2	NW 10	
30	88	54	71	100	51	83	66	2	S 5	
31	91	62	77	100	63	87	73	1	N 6	
Avg	82	58	71	100	33	86	64	1	S 14	4.60 Total

Monthly Max. = 91°

Monthly Min. = 45°

Peak Gust = 18 MPH on 3 July.

1. 25 days data

Table A35. Monthly meteorological summary.

August 1975										
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind		Precipitation (in) Amt. Snow Depth
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir. Max-Hrly	
1	98	70	84	100	51	76	76	4	NW 8	
2	99	70	85	100	46	73	68	1	NNW 5	
3	93	70	82	100	60	80	75	1	SE 26	
4	72	68	70	100	100	100	100	2	SE 8	.20
5	89	68	79	100	48	74	70	2	N 14	.05
6	68	60	64	100	79	90	61	3	N 11	
7	70	59	65	100	"	"	"	2	N 6	1.40
8	81	57	69	100	54	77	62	2	N 10	.35
9	86	54	70	100	36	68	59	1	SSW 6	
10	88	58	73	100	48	74	64	1	NW 9	
11	85	62	74	100	50	75	66	2	S 12	.10
12	81	60	71	100	61	81	65	1	SSW 20	
13	83	60	72	100	48	74	69	1	S 10	
14	82	57	70	100	40	70	60	2	S 20	
15	77	53	65	100	39	70	55	2	NNW 18	
16	81	56	69	100	38	69	59	2	ESE 9	
17	81	57	69	100	69	85	64	2	S 7	
18	80	55	68	100	27	64	56	3	SSW 19	
19	74	49	62	100	35	68	51	2	NNW 14	
20	73	46	60	100	30	65	48	2	NNW 20	T
21	75	43	59	100	31	65	47	3	SSE 13	
22	74	48	61	100	61	81	55	4	NNW 26	.06
23	72	46	59	100	31	65	48	2	NNW 17	.34
24	57	44	51	100	100	100	51	"	" "	
25	76	57	67	100	69	85	62	1	ESE 8	
26	76	64	70	100	68	84	65	2	S 7	T
27	80	54	67	100	39	70	57	2	NW 16	
28	77	52	65	100	37	69	55	1	S 9	
29	65	52	58	100	71	86	54	C	NE 10	.95
30	60	48	54	100	84	92	52	3	N 9	.54
31	67	44	56	100	41	71	47	2	N "	
Avg	78	56	67	100	51	74	59	3	NNW 13	3.99 Total

Monthly Max. = 99°

Monthly Min. = 43°

Peak Gust = 26 MPH on 3 and 22 August.

M = missing

1. 30 days data

2. 29 days data

Table A36. Monthly meteorological summary.

September 1975

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	67	43	55	100	43	72	46	1	SSW	10	.02	
2	64	53	59	100	84	92	52	2	SSW	9	.25	
3	60	51	55	100	62	81	50	5	NNW	18		
4	72	49	61	100	42	72	52	2	NNW	13	T	
5	74	50	62	100	37	69	52	2	S	13		
6	70	50	60	100	74	87	51	3	S	9	.19	
7	70	46	58	100	45	73	50	2	N	13		
8	76	48	62	100	57	79	56	2	SSE	14	.30	
9	60	45	53	100	53	77	46	2	S	14	.03	
10	64	40	52	100	37	69	42	2	NNW	21		
11	74	42	58	100	42	72	57	7	S	23		
12	67	49	58	100	84	92	56	6	S	23	.28	
13	58	42	50	100	47	74	42	1	V	8	.06	
14	54	38	46	100	53	77	49	4	NNW	22		
15	62	42	52	100	40	90	43	3	S	12		
16	62	42	52	100	62	81	47	2	S	8		
17	60	49	55	100	74	87	47	"	"	"	.05	
18	63	47	55	100	51	76	48	"	"	"	.05	
19	58	52	55	100	100	100	55	"	"	"	.34	
20	70	57	64	100	73	87	60	"	"	"	.15	
21	73	51	62	100	36	68	52	"	"	"	.05	
22	67	45	56	100	42	72	47	2	V	19		
23	62	53	58	100	64	82	53	2	S	9	.45	
24	53	50	52	100	99	100	52	4	NNE	10	.33	
25	52	48	50	100	82	91	48	2	NNE	9	.20	
26	58	48	53	100	95	98	53	2	S	10	.87	
27	67	52	60	100	64	82	55	2	N	9		
28	63	44	54	100	49	75	46	3	NW	18		
29	73	44	59	100	37	69	49	1	NNE	7		
30	68	44	57	100	48	74	49	2	S	12		
Avg.	65	47	56	100	59	80	50	3 ¹	NAS ¹	13 ¹	3.62 Total	

Monthly Max. = 76°

Monthly Min. = 38°

Peak Gust = 23 MPH on 11 and 12 September.

V = Variable

M = Missing

1. 25 days data

Table A37. Monthly meteorological summary.

October 1975

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	70	48	59	100	59	83	54	"	"	"		
2	59	42	51	100	55	75	44	"	"	"	.05	
3	58	33	46	97	34	54	31	"	"	"		
4	59	33	46	100	29	74	38	3	N	10		
5	53	32	43	100	38	79	"	2	S	10		
6	67	47	57	100	40	75	49	6	S	14		
7	59	35	47	100	28	60	34	6	NNW	11		
8	65	31	48	100	36	76	41	4	ESE	10		
9	56	34	45	100	45	82	40	"	"	"		
10	56	35	46	100	52	91	44	2	NNW	3	1.19	
11	51	48	49	100	78	91	47	3	E	5	.31	
12	49	47	48	100	84	97	47	4	NNW	9	.21	
13	56	48	52	100	65	85	48	4	NNW	7		
14	63	46	55	100	48	87	51	2	NNW	10		
15	63	45	54	100	58	88	51	"	"	"	.03	
16	58	47	53	100	36	64	42	5	NNW	12	.02	
17	53	39	46	100	49	71	37	5	N	9	.17	
18	45	41	43	100	88	100	43	4	NNE	6	1.83	
19	47	42	45	100	68	93	45	2	E	5	.75	
20	47	42	45	100	100	100	45	2	S	4	.87	
21	62	41	52	100	46	83	47	3	SSE	11	.01	
22	65	38	52	100	38	79	46	2	N	8	.01	
23	66	36	51	100	33	81	46	2	NNE	5	.01	
24	69	38	54	100	39	81	49	4	E	12		
25	60	41	51	100	88	98	50	"	"	"	.14	
26	53	34	44	100	46	78	38	"	"	"		
27	58	34	46	100	100	100	46	"	"	"		
28	68	40	54	100	46	"	"	"	"	"		
29	51	39	45	100	65	95	44	4	E	10		
30	44	33	39	70	46	54	24	14	NNW	20		
31	41	27	34	85	28	53	19	8	NNW	14		
Avg.	57	39	49	100	28	81 ¹	43 ²	4 ³	N ³	20 ³	5.60 Total	

Monthly Max. = 70°

Monthly Min. = 27°

Peak Gust = 10 MPH on 30 October.

1. 30 days data

2. 29 days data

3. 22 days data

M = Missing

Table A38. Monthly meteorological summary.

November 1975												
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean	Mean (°F)	Speed(MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	53	27	40	96	26	50	23	8	SSE	14		
2	62	41	52	100	37	74	44	4	SSE	8		
3	66	43	55	100	72	97	54	4	E	8	.16	
4	65	41	53	100	23	69	43	6	VAR	13	.24	
5	57	34	46	100	29	61	33	9	NNW	19		
6	59	29	44	100	31	79	38	3	S	6		
7	65	33	49	100	51	83	44	4	S	8		
8	69	49	59	100	62	92	57	6	S	12	.51	
9	65	41	53	100	38	89	61	3	N	6		
10	56	41	49	100	80	97	48	6	SSW	11	.48	
11	57	32	45	100	30	m	m	8	SSW	14		
12	50	30	40	100	56	95	39	4	S	7	.62	
13	47	43	45	100	100	100	45	4	NE	8	.42	
14	45	30	38	100	78	90	35	4	W	6	.25	
15	38	29	34	100	38	69	25	4	SE	9		
16	37	28	33	100	76	91	31	2	NE	5		
17	49	31	40	100	44	77	34	2	N	5		
18	56	30	43	100	33	85	39	4	NE	10		
19	45	27	36	100	40	83	32	3	NE	6		
20	58	29	44	100	50	88	41	2	N	4		
21	47	32	40	100	96	99	40	4	VAR	6	1.07	
22	40	28	34	100	58	72	26	5	SSW	11		
23	40	25	33	100	44	79	27	3	VAR	7		
24	34	28	31	100	64	80	26	4	N	7		
25	35	28	32	77	50	m	m	m	m	m		
26	35	26	31	100	56	79	25	3	NE	5		
27	35	28	32	100	88	90	30	4	VAR	10	.47	
28	36	31	34	100	68	91	32	4	SSW	9	.01	T
29	33	28	31	100	58	74	24	5	NNW	13		T
30	55	29	42	100	61	88	39	m	m	m	0	
Avg.	50	32	41	100	23	83 ¹	37 ¹	5 ¹	NE ¹	19 ¹	4.23 Total	T Max

Monthly Max. = 69°

Monthly Min. = 25°

Peak Gust = 38 MPH on 8 November.

M = Missing

1. 28 days data

Table A39. Monthly meteorological summary.

December 1975												
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean	Mean (°F)	Speed(MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	57	30	44	100	45	71	35					
2	35	26	31	100	45	71	28	2	S	4		
3	30	18	24	100	58	78	18	4	W	10		
4	24	3	14	100	48	67	5	4	N	8		T
5	38	0	19	100	49	85	15	2	S	8		T
6	46	22	34	100				5	W	17	.03	0
7	21	0	11	100	47	57	-1	7	N	13		0
8	26	-2	12	100				2	NNE	3	.02	T
9	38	22	30	100	74	91	28	4	NE	12		0
10	41	36	39	100	80	97	38	3	E	6	.60	
11	41	22	32	100	28	60	20	5	NNW	13		
12	25	11	18	90	36	63	8	4	NE	7		
13	27	16	22	100	63	81	17	4	E	7	.05	2
14	38	27	33	100	100	100	33	1	E	3	.02	1
15	45	31	38	100	80	98	37	3	E	9	.03	0
16	31	6	19	92	54	74	12	7	NNW	11		
17	29	3	16	100	54	82	12					
18	27	-1	13	100	38	70	5	7	NNW	13		
19	5	-14	-5	95	39	70	-12	6	NW	14		
20	4	-15	-6	100	70	92	-4	3	NNE	6	.13	0
21	17	5	11	100	94	99	11	6	NNE	8	.07	10
22	25	16	21	100	65	87	18	7	NNW	13	.31	7
23	21	-1	10	82	53	67	1	10	NNW	14		7
24	3	-16	-7	96	45	71	-16	4	N	10		5.5
25	13	-16	-2	100	62	88	-5	3	E	5		5.5
26	33	13	23	100	100	100	23	2	E	5	1.06	13
27	36	17	27	100	77	88	24	6	NE	10	.03	12.5
28	24	-1	12	100	62	88	9	3	NNE	7		12
29	21	-9	6	100	60	91	4	2	NE	4		12.5
30	30	-5	13	100	86	98	12	1	VAR	3	.07	13
31	41	30	36	100	60	84	32	3	SW	7	.18	12
Avg.	29	9	19	100	28	82	14	4	NW	17	2.60 Total	13 Max

Monthly Max. = 57°

Monthly Min. = -16°

Peak Gust = 30 MPH on 6 December.

1. 29 days data

Table A40. Monthly meteorological summary.

January 1976

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	31	7	19					9		13		12
2	19	-7	6	100				1		5		12
3	28	12	20	100				1	S	6	.27	12
4	29	-3	13								.01	14
5	10	-17	-4									13.5
6	10	-27	-9	100	51	85	-12		calm	2		13.5
7	36	0	18	100	47	81	13	2	SSW	7		13.5
8	28	-13	8	100	42	81	3	5	NE	10	.02	14
9	14	-24	5	100	44	78	0	2	VAR	7		14
10	10	-20	-5	98	46	80	-10	3	NNW	9		14.5
11	-1	-27	-13	97	84	92	-15	3	NNE	5		14.5
12	25	-2	12	100	81	95	10	1	NNE	3		18.5
13	31	10	11	100	64	89	9	2	S	6	.01	20
14	41	26	34	100	42	67	24	10	SW	15	.40	19.5
15	26	-1	13					7	SSW	11	.03	18.5
16	20	-1	10	100	83	97	9	3	E	5	.08	18.5
17	20	-2	9	100	43	63	-1	9	NNW	14		18
18	3	-16	-7	77	34	57	-15	6	NE	12		17
19	14	-27	-6								.03	17
20	27	-3	12	100	65	87	9					17
21	34	9	12	100	58	90	10	3	SSW	7	.07	17
22	25	-15	10	100	46	69	2	7	NNW	14	.06	17
23	4	-23	10	78	36	53	-4	6	N	13		17
24	5	-12	-4	100	51	74	-10	4	E	6	.02	17
25	26	-2	12	100	55	81	7	3	VAR	13		18
26	35	26	31	100	61	95	30	7	S	14	.68	16.5
27	47	35	41	100	100	100	41	5	NE	10	1.07	14
28	35	20	28	100	61	84	24	5	W	10	.32	13
29	32	15	24	99	69	85	20	4	SSW	7	.02	12.5
30	27	9	18					6	NNW	10		12.5
31	20	-4	8	99	39	69	0	2	VAR	5		12.5
Avg.	23	-4	10	100	34 ²	77 ²	6 ²	1 ³	VAR ¹	15 ³	3.09 Total	20 Max

Monthly Max. = 47°
 Monthly Min. = -27°
 Peak Gust = 31 MPH on 14 January.

1. 25 days data
 2. 23 days data
 3. 27 days data
 M = Missing

Table A41. Monthly meteorological summary.

February 1976

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	40	20	30	100	71	92	28	4	SSW	12	.44	12
2	38	1	19	100	56	80	14	11	SSW	17	1.00	14
3	27	3	15	100	36	64	5	6	SSW	12	T	14
4	35	1	18	99	44	74	11	6	SSW	18	.01	13
5	18	1	9	83	36	56	-4	6	NE	10		13
6	13	-6	4	100	53	77	-2	3	N	6		13
7	20	-14	3	100	38	81	-2	3	W	10		13
8	29	-13	8	100	66	88	5	3	SSW	8	.01	13
9	39	9	24	100	49	83	20	3	N	8	.02	13
10	41	5	23	100	47	71	15	5	SSW	13		13
11	41	26	34	96	51	74	27	5	NNW	15		13
12	35	19	27	100	28	50	11	5	NNW	12	.03	13
13	52	33	43	80	41	59	30	7	SSW	11		12.5
14	32	5	19	81	38	49	3	9	NNE	15		12
15	37	-2	18	100	53	88	16	6	SSW	17	.06	12
16	52	33	43	100	50	61	31	6	NNE	15	.04	11.5
17	38	29	34	100	55	85	30	6	SSE	12	.37	11
18	32	26	29	100	92	100	29	4	SSW	10	.78	12
19	43	33	38	100	50	75	31	6	SSW	13	.23	14
20	39	16	28	98	46	67	9	7	NNW	13		14
21	45	10	29	100	48	82	14				.03	13
22	52	24	38	100	60	90	36	7	SSW	15	.38	10.5
23	23	3	13	94	36	58	1	8	NNW	16	.01	10.5
24	41	1	21	100	46	79	16	3	SSW	9		10.5
25	60	16	38	100	34	81	33	2	VAR	6		10.5
26	61	28	45	100	34	76	38	2	SE	5		8
27	55	33	44	98	25	58	30	6	NNW	13		5
28	45	12	29	94	44	58	16	6	NW	16		3
29	47	9	28	100	52	87	25	4	S	16	T	2
Avg.	39	12	26	100	25	74	18	5 ¹	SSW ¹	18 ¹	3.42 Total	14 Max

Monthly Max. = 61°
 Monthly Min. = -14°
 Peak Gust = 38 MPH on 28 February.

M = Missing
 1. 28 days data

Table A42. Monthly meteorological summary.

March 1976												
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	41	25	33	100	42	62	23	6	NNE	12	T	1.5
2	25	14	20	100	40	91	18	5	NE	8	.43	6
3	19	16	18	100	75	94	17	4	SE	10	.27	9
4	32	19	26	100	100	100	26	"	"	"	.08	8.5
5	54	32	43	100	55	96	42	"	"	"	T	8
6	52	20	36	96	36	50	20	7	SSW	14	5	5
7	34	13	44	100	41	69	35	8	SSW	15	T	3
8	27	3	15	100	33	52	1	6	NNW	10	3	3
9	33	-4	15	100	34	62	5	4	VAR	8	3	3
10	40	8	24	100	56	68	15	6	S	10	.01	3
11	40	18	29	100	40	69	18	9	W	19	.07	2.5
12	36	6	21	100	24	47	4	6	VAR	14	.13	1.5
13	47	26	38	100	66	90	36	5	W	11	.12	1.5
14	41	28	35	86	35	57	22	6	W	14	T	1.5
15	41	23	32	75	28	51	16	8	W	15	1	1
16	22	13	18	100	48	78	12	7	N	12	.21	1
17	23	9	16	100	45	76	10	7	NNW	12	.06	6
18	26	-7	9	99	29	61	-2	5	W	12	6	6
19	38	5	22	99	72	94	20	3	VAR	4	.16	6
20	66	26	46	99	42	77	39	3	S	9	1.5	1.5
21	59	35	47	100	57	91	45	5	SSW	12	.14	T
22	37	14	26	90	28	50	10	8	NNW	13	.01	
23	47	7	27	100	32	68	18	5	S	10		
24	69	23	46	98	20	58	32	4	S	8		
25	58	31	45	98	50	78	39	3	SSW	8		
26	59	27	43	98	28	68	33	3	NNW	10		
27	"	26	"	98	30	68	"	7	SSE	14		
28	54	39	42	98	52	65	31	8	NNW	12	.09	
29	57	32	45	94	36	57	31	"	"	"	.56	
30	63	27	45	99	40	69	36	"	"	"		
31	51	39	45	98	71	85	41	7	SE	12		
Avg.	43	19	31	100	20	71	23	6	VAR	19	2.34 Total	9 Max

Monthly Max. = 69°

Monthly Min. = -7°

Peak Gust = 40 MPH on 7 March.

Table A43. Monthly meteorological summary.

April 1976												
Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	53	40	47	98	91	98	47	5	SSE	8	1.60	
2	56	32	44	98	41	74	36	5	NNW	8		
3	48	38	43	82	56	67	33	10	NNW	17		
4	50	29	40	57	22	37	16	7	NNW	12		
5	60	33	47	56	24	33	20	8	NNW	19		
6	63	28	46	100	28	55	31	4	VAR	8		
7	52	27	40	100	24	62	28	4	VAR	10		
8	50	22	36	100	30	56	22	4	W	8		
9	46	23	35	99	28	53	20	5	N	10		
10	65	20	43	100	23	55	28	3	VAR	10		
11	51	19	35	100	54	76	29	M	M	M	.04	
12	34	15	25	78	24	55	11	M	M	M	.01	
13	62	15	39	100	30	60	27	5	VAR	12		
14	66	26	46	100	19	57	32	5	NNW	12		
15	73	47	60	100	24	60	46	6	SSW	17		
16	76	53	65	100	49	79	59	3	VAR	8		
17	85	52	69	100	32	72	60	M	M	M		
18	86	51	69	100	M	M	M	4	W	9		
19	90	52	71	100	17	56	55	5	SSW	13		
20	86	46	66	98	23	49	47	5	NW	10		
21	74	50	62	100	30	60	47	7	SE	15		
22	52	47	50	100	66	90	47	6	SSE	11	.16	
23	59	45	52	100	51	72	43	7	NNW	11	T	
24	57	32	45	100	21	51	28	5	NW	10	.01	
25	45	37	41	100	59	95	39	3	N	5	.83	
26	42	34	38	100	83	95	36	4	N	8	.34	
27	45	37	41	100	61	81	36	8	NNW	16		
28	51	36	44	100	53	78	38	M	M	M	.04	
29	58	37	43	100	36	70	34	M	M	M		
30	61	32	47	100	24	63	35	M	M	M		
Avg.	60	34.8	48	100	17	67	35	5	NW	19	3.03 Total	

Monthly Max. = 90°

Monthly Min. = 15°

Peak Gust = 43 MPH on 5 April.

Table A44. Monthly meteorological summary.

May 1976

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	62	29	46	100	28	79	40	7	SE	14	.82	
2	67	46	57	100	45	83	52	4	VAR	6	.07	
3	68	40	54	100	50	77	47	6	W	13	.23	
4	49	32	41	100	46	59	28	7	SSW	12		
5	69	29	49	100	29	59	35	9	S	17		
6	79	43	61	100	M	M	M	7	VAR	16	.10	
7	46	44	45	100	83	96	43	5	SSE	8	.20	
8	55	36	46	89	32	52	30	7	SW	11		
9	64	32	48	100	30	61	35	4	VAR	7	.01	
10	74	36	55	100	28	64	43	4	SSE	9	.01	
11	72	40	56	100	37	67	46	10	SSE	20	.22	
12	55	35	45	100	60	92	43	4	VAR	10	.43	
13	64	32	48	100	26	59	34	M	M	M	.03	
14	76	34	55	100	48	80	49	M	M	M	.35	
15	73	45	59	100	32	64	47	6	NNW	16	.03	
16	76	42	59	100	40	65	47	M	M	M	.03	
17	71	54	63	100	75	91	61	6	SSW	13	.08	
18	72	45	60	100	75	97	59	4	VAR	7	.73	
19	45	37	41	100	87	98	40	8	S	12	1.42	
20	50	37	44	100	59	86	40	3	VAR	5	.06	
21	50	37	44	100	93	99	44	4	NE	8	.08	
22	54	39	47	100	57	83	42	5	NNW	10	.01	
23	63	35	49	100	37	71	40	M	M	M	.03	
24	61	45	53	100	53	72	45	M	M	M	.02	
25	62	48	55	100	51	74	47	M	M	M	.03	
26	59	47	53	100	62	85	49	3	SSW	9	.04	
27	73	45	59	100	23	68	49	5	VAR	14	.05	
28	83	41	62	100	15	63	50	2	VAR	6	.03	
29	77	42	60	100	28	64	48	5	SSW	10	.03	
30	76	50	63	100	42	76	56	3	SSW	9	.50	
31	81	57	69	100	45	83	64	3	VAR	8	5.64	Total
Avg.	65	40	53	100	15	76	46	5	VAR	20		

Monthly Max. = 83°
Monthly Min. = 29°

Peak Gust = 30 MPH on 5 & 11 May

Table A45. Monthly meteorological summary.

June 1976

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	69	49	59	100	44	82	49	5	NNW	8	.04	
2	70	42	67	100	24	66	56	M	M	M		
3	74	39	58	100	26	73	50	3	VAR	10	.03	
4	77	46	62	100	28	74	54	3	N	6		
5	84	41	63	100	12	66	52	2	VAR	5		
6	80	50	65	100	21	69	55	4	S	10	.13	
7	66	52	59	100	80	96	58	3	VAR	6	.09	
8	88	54	71	100	27	71	61	4	S	9	.01	
9	84	54	69	100	41	76	61	3	VAR	6	.05	
10	88	54	71	100	40	80	65	4	VAR	9	.20	
11	85	58	72	100	39	82	67	5	VAR	12	.25	
12	64	41	53	100	37	67	43	9	NNW	15	.01	
13	74	40	57	100	45	70	48	6	S	11		
14	80	54	67	100	59	81	61	5	SSW	12	.04	
15	90	61	76	100	36	75	68	4	SSW	9	.03	
16	87	65	76	100	35	75	68	6	SSW	12	.93	
17	79	57	68	100	45	83	63	3	VAR	6	.23	
18	82	56	68	100	42	81	62	3	VAR	7	.01	
19	83	62	73	100	50	73	64	6	S	14	.01	
20	82	68	75	100	63	86	71	5	S	10	.51	
21	80	68	74	100	70	97	73	3	VAR	7	.04	
22	82	67	75	100	64	91	72	3	VAR	8	.20	
23	85	65	75	100	52	85	71	3	S	6	.02	
24	87	66	77	100	44	82	71	3	VAR	5		
25	74	63	69	100	67	92	67	4	S	8	.36	
26	81	58	70	100	37	70	60	M	M	M		
27	75	58	67	100	56	81	61	3	VAR	7	.05	
28	85	56	71	100	47	M	M	3	VAR	8	.02	
29	80	59	70	100	58	89	67	2	VAR	5	.14	
30	76	60	68	100	64	93	66	4	VAR	8	.89	
AVG.	80	55	68	100	21	80 ^A	62 ^B	4 ^C	VAR	M	4.29	TOTAL

Monthly Max. = 90°
Monthly Min. = 39°

Peak Gust = 26 MPH on 12 June

- A. R.H. Average for 29 days
B. Dewpoint Average for 29 days
C. Wind Average for 28 days

Table A46. Monthly meteorological summary.

July 1976

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Am't.	Snow Depth
1	75	60	68	100	68	89	65	4	VAR	8	.01	
2	76	57	67	100	44	78	60	3	VAR	6		
3	69	55	62	100	60	85	58	2	VAR	4	.01	
4	76	54	65	100	52	83	60	3	N	8	T	
5	88	54	71	100	45	m	m	2	VAR	3	.03	
6	89	61	75	100	35	79	68	2	VAR	4	.03	
7	79	60	70	100	60	86	66	4	S	7	.01	
8	77	62	70	100	55	86	66	5	S	9	.23	
9	76	52	64	100	38	76	56	4	VAR	8	.03	
10	80	50	65	100	36	78	58	3	VAR	5	T	
11	81	55	68	100	48	82	62	4	VAR	9	1.49	
12	74	58	66	100	63	86	62	3	MMW	8	.04	
13	68	56	63	100	66	83	58	6	MMW	8	.03	
14	69	58	64	100	63	85	59	5	VAR	10	.01	
15	79	58	69	100	44	77	62	4	VAR	8	.03	
16	78	56	67	100	53	86	63	5	S	11	.13	
17	76	56	66	100	46	78	59	5	SSW	8	.02	
18	71	50	61	100	46	77	54	4	SW	7	.03	
19	85	50	63	100	47	m	m	4	SW	7	.05	
20	85	57	71	100	43	73	62	5	SSW	10	.02	
21	76	52	64	100	43	85	60	4	VAR	8	.56	
22	77	50	64	100	35	73	55	4	VAR	7	.02	
23	78	48	63	100	48	76	56	5	VAR	10	.50	
24	81	57	69	100	49	74	61	6	MMW	12	.68	
25	77	47	62	100	40	65	50	7	MMW	13	.05	
26	75	47	61	100	36	72	52	4	SW	6	.05	
27	79	59	69	100	64	92	67	4	VAR	8	.39	
28	76	56	66	100	37	75	58	5	N	9	.09	
29	70	54	62	100	52	88	58	4	VAR	7	.41	
30	63	58	61	100	85	96	59	3	VAR	4	.15	
31	70	60	65	100	71	90	62	4	VAR	7	.02	
AVE	77	55	66	100	35	81 ^a	50 ^b	4	VAR	11	5.12	TOTAL

Monthly Max = 89

Peak Gust = 30 MPH on 2 July

Monthly Min = 47

a. RH average for only 29 days

b. Dewpoint average for only 29 days

Table A47. Monthly meteorological summary.

August 1976

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Am't.	Snow Depth
1	67	52	60	100	62	83	55	5	N	14	.66	
2	71	46	59	100	34	76	52	5	VAR	10		
3	75	45	60	100	34	77	58	4	VAR	6		
4	80	50	65	100	44	80	59	4	SSW	8		
5	80	53	67	100	50	76	59	6	SSW	12		
6	73	56	65	100	61	84	60	6	VAR	11	.03	
7	60	54	57	100	93	99	57	3	N	7	.30	
8	66	56	61	100	88	98	60	3	VAR	5	.02	
9	70	62	66	100	97	99	65	3	N	6	.58	
10	72	58	65	100	76	88	61	7	N	11	1.03	
11	84	54	69	100	37	69	58	3	VAR	8	.04	
12	83	57	70	100	52	76	62	5	S	10	.03	
13	79	62	71	100	59	80	65	5	S	9	.08	
14	77	62	70	100	66	83	65	4	VAR	9		
15	80	63	72	100	62	81	66	5	VAR	10	1.25	
16	69	54	62	100	52	76	54	5	SSW	12		
17	74	51	63	100	40	70	53	5	VAR	11		
18	78	48	63	100	37	69	52	3	N	5		
19	77	47	62	100	36	68	52	3	NE	5		
20	82	51	67	100	46	73	58	3	S	6		
21	88	58	73	100	53	77	66	3	VAR	7		
22	91	64	78	100	49	75	69	3	VAR	4		
23	81	55	68	100	46	73	59	6	N	13		
24	74	48	61	100	36	68	51	4	MMW	8		
25	82	49	66	100	32	64	54	3	MMW	6		
26	80	52	66	100	48	74	58	3	SW	5		
27	78	62	70	100	72	86	66	4	S	8	.11	
28	79	61	70	100	74	87	66	4	SSW	10	T	
29	79	54	67	100	42	71	57	5	SSW	8	.25	
30	53	37	49	100	58	79	43	7	MMW	11		
31	70	37	54	100	32	66	48	3	MMW	13		
AVE	75	53	65	100	54	78	58	4	SSW	9	4.38	TOTAL

Monthly Max = 91

Monthly Min = 37

Peak Gust = 22 (MPH) West 10 August

Table A48. Monthly meteorological summary.

September 1976

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed(MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	71	45	58	100	53	77	51	4	S	7	.41	
2	62	46	59	100	51	76	52	4	N	10	.08	
3	67	38	53	100	46	73	45	3	VAR	7		
4	67	46	57	100	68	84	53	5	S	9		
5	71	49	60	100	44	72	51	4	W	8	.02	
6	62	42	52	100	38	69	42	5	NW	13		
7	66	38	52	100	34	67	42	4	VAR	11		
8	69	44	57	100	38	69	47	4	VAR	10		
9	71	41	56	100	38	69	46	2	VAR	4	.55	
10	64	45	55	100	82	91	53	5	ESE	9	.17	
11	64	47	56	100	48	74	49	4	VAR	9		
12	68	44	56	100	46	73	48	3	VAR	9		
13	80	46	63	100	46	73	54	4	VAR	7	.02	
14	82	50	66	100	50	75	58	3	VAR	7		
15	73	54	64	100	73	87	60	3	VAR	5		
16	70	58	64	100	77	89	61	3	VAR	5	.17	
17	64	57	61	100	99	100	61	3	VAR	7	.54	
18	72	56	64	100	74	87	60	3	VAR	7	.02	
19	*74	54	64	100	52	76	56	*4	M	5		
20	73	53	63	100	65	83	58	M	M	M		
21	**63	40	52	100	57	79	46	**6	M	9		
22	55	39	47	100	62	81	42	4	VAR	7	.04	
23	58	37	48	100	58	79	42	5	M	11		
24	59	33	46	100	40	70	37	5	M	9		
25	62	33	48	100	44	72	39	3	SSW	6		
26	55	35	45	100	73	87	41	3	SE	5	1.00	
27	62	50	56	100	84	92	41	4	VAR	7	.16	
28	***54	32	43	100	52	76	37	***6	M	11		
29	63	33	48	100	45	73	40	6	S	11		
30	62	39	51	100	55	78	44	3	VAR	6		
AVE	66	44	55	100	56	78	49	4.1	VAR	8.1	3.18	TOTAL

Monthly Max = 82

Peak Gust = 27 MPH NNW 6 September

Monthly Min = 32

* Ave. Speed based on 10 Hrs. 19 Sept. M = Missing

** Ave. Speed based on 12 hours 21 Sept. 1. 29 days data

*** Ave. Speed based on 16 hours 28 Sept. 2. 24 days data

Table A49. Monthly meteorological summary.

October 1976

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed(MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	59	42	50	100	66	90	47	3	VAR	7		
2	60	39	50	100	66	93	48	3	VAR	4		
3	70	41	56	100	52	90	53	M	M	M		
4	70	37	54	100	77	86	50	3	VAR	4		
5	68	35	50	100	37	79	44	3	VAR	7		
6	63	52	56	100	82	95	55	3	VAR	5	.01	
7	71	55	63	100	60	86	59	4	VAR	9		
8	60	51	56	100	89	98	56	3	030	9	.41	
9	68	43	56	100	66	91	53	7	030	18	2.25	
10	47	39	43	73	58	64	32	9	VAR	12		
11	58	25	42	100	49	64	30	5	330	16		
12	55	24	40	100	24	83	35	3	VAR	9		
13	58	29	44	100	59	88	40	3	180	10		
14	47	29	38	100	54	79	32	4	VAR	12	.19	
15	60	27	44	100	47	84	40	3	VAR	9	.06	
16	50	38	44	100	55	69	35	5	210	11	.01	
17	46	28	37	100	53	82	32	3	VAR	7		
18	44	33	38	100	54	71	30	5	330	16		
19	46	29	38	100	42	75	31	3	VAR	6		
20	51	35	43	100	97	100	43	3	VAR	5	1.16	
21	55	44	50	100	56	77	43	8	210	15	.34	
22	47	38	42	71	44	61	30	11	210	18		
23	46	33	40	88	49	68	30	4	270	13		
24	36	24	30	100	81	97	29	M	VAR	M	.28	
25	41	36	38	100	100	100	38	3	360	5	.50	
26	39	25	33	100	65	87	30	4	330	16		
27	43	19	31	88	54	66	21	4	315	14		
28	35	18	26	100	50	75	19	3	210	9		
29	47	26	36	100	57	83	31	3	VAR	11		
30	47	26	36	100	62	92	34	M	M	M		
31	45	36	40	100	79	97	39	M	M	M	.61	
AVG	53	35	44			83	39	4	VAR	10	5.82	

Monthly Max = 71

Peak Gust = 35 mph on 10/22

Monthly Min = 18

M = Missing

1. 27 days data

2. 28 days data

Table A50. Monthly meteorological summary.

November 1976

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Am't.	Snow Depth
1	37	27	32	79	59	67	22	M	M	M	.03	
2	37	25	31	89	42	68	22	M	M	M		
3	41	28	34	100	66	92	32	M	M	M	.20	
4	41	33	37	100	100	100	37	M	M	M	.10	
5	41	30	36	100	86	97	35	M	M	M	.59	
6	40	29	34	100	61	81	29	4	210	11	.01	
7	40	30	35	100	69	82	30	3	VAR	9	.02	
8	30	21	26	100	58	76	20	8	330	13	.04	
9	29	16	22	100	45	68	13	4	315	10		
10	30	19	24	100	89	99	24	3	VAR	5	.07	
11	32	14	23	100	47	74	16	4	VAR	11	.02	
12	34	8	21	100	52	82	16	3	180	8	.04	
13	36	18	27	100	48	78	21	3	VAR	10		
14	41	23	32	100	55	74	25	5	M	14		
15	45	23	34	100	61	87	30	3	M	M		
16	41	18	30	100	M	M	M	3	M	8		
17	50	23	36	M	M	M	M	3	M	12		
18	43	24	34	80	42	66	24	3	VAR	9		
19	47	30	38	78	35	61	26	4	VAR	14		
20	37	21	29	62	37	46	11	7	M	14		
21	34	19	26	64	34	47	9	5	180	10		
22	35	22	28	73	44	53	13	7	180	14		
23	37	31	34	78	50	62	22	4	180	11		
24	36	28	32	78	48	62	20	4	VAR	8		
25	36	21	28	78	40	58	15	M	VAR	M		
26	40	23	32	74	57	66	22	2	VAR	M		
27	56	34	45	79	42	64	34	1	VAR	8		
28	47	37	42	79	52	66	32	1	VAR	5	.03	
29	37	20	28	80	51	69	19	M	M	M	.42	
30	25	7	16	75	39	58	4	M	M	M	.01	
AVG	39	24	31			72.1	22.1	4.2	M	M	1.58 (total)	

Monthly Max = 56

Peak Gust = 32 mph on 11/20

Monthly Min = 7

M = Missing

1. 28 days data

2. 22 days data

Table A51. Monthly meteorological summary.

December 1976

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Am't.	Snow Depth
1	25	4	14	95	61	84	10	3	180	6		
2	30	6	18	96	52	82	13	M	M	12		
3	10	-6	2	92	50	65	-7	5	VAR	7		
4	14	-6	4	94	75	89	2	2	045	3	.03	
5	28	11	20	99	70	89	17	1	045	3		
6	28	5	16	97	70	84	12	2	225	4		
7	38	26	32	99	57	90	29	3	330	10	1.12	
8	24	-4	10	87	56	67	1	7	330	13		
9	6	-7	0	91	48	71	-2	4	330	11		
10	36	-6	15	87	63	75	14	2	VAR	4		
11	45	8	26	M	M	M	M	3	315	16		
12	41	7	24	M	M	M	M	1	180	3		
13	33	-8	12	94	59	68	3	6	315	12		
14	24	-12	6	73	42	55	-3	3	180	8		
15	42	16	29	76	41	60	17	2	VAR	5		
16	33	16	24	80	63	73	17	0	CALM	0		
17	33	28	30	80	50	72	22	CALM	VAR	4	.16	
18	28	6	17	77	56	68	8	5	M	13		
19	27	1	14	M	M	M	M	M	M	M		
20	34	14	24	100	82	91	22	2	M	8	.12	
21	32	3	18	100	72	79	13	7	M	10	.05	
22	18	3	10	94	51	73	3	4	M	8		
23	28	7	18	98	66	85	14	2	M	5		
24	26	4	15	95	53	81	10	2	M	8		
25	28	6	17	93	58	79	12	2	M	6	.09	
26	32	5	18	M	M	M	M	?	M	8		
27	18	-9	4	91	53	64	-5	?	M	14		
28	11	-13	-1	92	60	77	-6	2	M	4	.21	
29	16	10	13	98	90	94	12	4	M	6		
30	17	4	10	90	58	74	3	3	M	10		
31	14	-13	0	94	58	76	-6	2	M	10		
AVG	26	5	16			72.1	8.0	3.2	M	8.3	1.78 TOTAL	

Monthly Max = 45

Peak Gust = 47 mph on Dec 11

Monthly Min = -13

1. 27 days data

2. 29 days data

3. 30 days data

Table A52. Monthly meteorological summary.

Date	Temperature (°F)			Rel. Hum. %			Dew Point	Wind			Precipitation (in)	
	Max	Min	AVG	Max	Min	Mean	Mean (°F)	Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	19	-7	6	92	72	81	1.5	3	M	9		
2	33	-2	16	M	M	72	8.0	5	M	9		
3	24	3	14	M	M	M	M	2	M	4	.05	
4	30	3	16	M	M	M	M	M	M	M	.02	
5	28	1	10	M	M	M	M	M	M	M		
6	26	-7	10	98	58	82	4.5	3	VAR	6		
7	28	21	26	100	64	89	23.5	5	045	17	.52	
8	22	1	12	74	38	58	-0.5	7	030	15		
9	20	-14	3	95	44	75	-3.0	3	045	8		
10	25	6	16	100	72	93	14	5	VAR	8	.79	
11	20	6	13	78	40	56	0.5	8	270	12		
12	14	-17	-2	94	47	77	-7	3	VAR	9		
13	14	-21	-4	92	44	73	-10	2	VAR	6		
14	11	-5	3	91	81	87	0	4	045	6	.02	
15	24	7	16	98	58	84	11.5	3	VAR	5	.04	
16	19	6	12	96	42	76	6.5	3	330	7		
17	4	-19	-8	87	48	64	-16.5	4	330	8		
18	5	-30	-12	88	47	73	-19	5	360	8		
19	24	-15	4	98	46	77	-1	3	060	5		
20	32	-6	13	97	48	73	6	3	VAR	8		
21	27	0	14	100	44	78	8	3	060	9		
22	10	-6	2	96	49	67	-6.5	8	030	14		
23	21	1	11	94	54	71	3.5	4	060	6		
24	29	1	15	100	50	80	10	2	VAR	4		
25	32	22	27	100	72	92	25	3	VAR	4	.12	
26	28	5	16	100	48	80	11.5	M	M	M	.02	
27	23	2	12	96	38	66	3.5	7	225	15		
28	22	-16	3	98	40	70	-4.5	5	210	8	.17	
29	10	-1	4.5	68	42	53	-9	8	225	10		
30	13	-14	0	M	M	M	M	6	225	12		
31	16	-3	6	M	M	M	M	8	225	12		
AVG	21	-3	9				M	5	VAR	9	1.75	in TOTAL

Monthly max = 33 Peak Gust = 29 mph on Jan 27
 Monthly Min = -30

M = Missing
 1. 28 days data
 2. 25 days data

Table A53. Monthly meteorological summary.

Date	Temperature (°F)			Rel. Hum. %			Dew Point	Wind			Precipitation (in)	
	Max	Min	AVG	Max	Min	Mean	Mean (°F)	Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	21	-5	8	96	38	65	-1.5	5	330	12		
2	19	-11	4	95	32	63	-6	5	030	12		
3	23	-11	6	100	60	89	3.5	3	VAR	4	.09	
4	29	9	19	99	43	71	11.5	4	VAR	8		
5	25	10	18	100	70	88	14.5	5	060	8	.06	
6	20	5	12	76	47	60	1.5	7	360	8		
7	19	-2	8	95	48	69	0.5	6	030	10		
8	27	-11	8	99	37	75	2	3	VAR	9		
9	32	-3	14	99	34	72	7.5	4	210	7	T	
10	33	10	22	100	48	77	15.5	4	045	7		
11	38	10	24	98	56	79	18.5	3	VAR	5		
12	41	32	36	91	52	73	29	3	VAR	7		
13	35	31	33	100	86	97	32	3	180	6	.15	
14	39	25	32	99	39	70	23.5	5	228	11	.02	
15	33	17	25	94	44	67	16	4	330	9		
16	21	3	12	77	46	61	1.5	7	045	10		
17	19	-8	6	95	48	74	-1	5	045	10		
18	31	4	18	100	38	73	10.5	2	VAR	6		
19	32	8	20	100	61	86	16.5	2	VAR	5		
20	28	10	19	100	99	98	18.5	3	060	5	.28	
21	29	10	20	84	42	61	8.5	7	330	12		
22	30	-5	12	96	47	76	6.5	4	VAR	11		
23	31	21	26	88	34	58	13.5	5	060	9		
24	30	22	26	99	58	77	20	6	210	8		
25	39	29	34	100	55	80	28	6	270	9	1.13	
26	40	25	32	99	42	65	22	5	270	13		
27	40	26	33	100	62	78	27	6	225	10	.22	
28	39	29	34	100	36	58	21	6	270	10		
AVG	30	10	20				14	5	360/225	9	1.95	TOTAL

Monthly Max = 41 Peak Gust = 28 mph on Feb 26
 Monthly Min = -11

Table A54. Monthly meteorological summary.

March 1977												
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean	Mean (°F)	Speed(MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	32	22	27	87	40	55	13.5	7	240	12		35
2	35	12	24	92	42	56	10.5	6	270	10		35
3	41	20	30	100	38	63	19.5	5	270	9		33
4	33	16	24	100	67	91	23.5	3	VAR	5	.85	33
5	44	31	38	100	53	82	33	3	225	6		39
6	38	34	36	69	52	58	23	5	240	8		32
7	37	30	34	77	49	70	25	2	VAR	6		27
8	45	25	35	100	34	60	22.5	5	360	8		27
9	57	20	38	100	29	63	27.5	2	VAR	7		28
10	63	29	46	100	33	69	36.5	4	VAR	16		20
11	63	25	44	100	31	75	36.5	2	VAR	4		19
12	62	25	44	100	36	65	32.5	M	M	M	.02	10
13	51	36	44	100	84	95	42.0	4	VAR	7	1.06	T
14	56	38	44	100	74	88	41.0	5	060	8	.14	0
15	48	35	42	100	62	86	37.5	3	VAR	4	.09	0
16	42	33	38	100	43	74	30.5	5	045	10		0
17	35	27	31	81	37	48	14.0	9	360	15		0
18	27	22	24	96	40	70	16.5	6	045	8	.43	0
19	37	17	27	79	20	42	7.5	8	030	15	.19	13
20	44	5	24	100	21	68	15.5	3	VAR	8	.02	5
21	45	25	35	100	34	76	28.5	1	VAR	5	.09	8
22	43	19	31	100	35	76	24.5	5	090	10	.17	4
23	35	30	32	97	57	75	25.5	7	360	10	.39	19
24	35	26	30	69	53	58	18.0	8	330	12		16
25	27	19	23	83	45	57	10.0	8	030	12		16
26	43	22	32	97	40	62	21.0	4	045	10		4
27	56	19	38	98	24	68	28.0	1	VAR	2		2
28	60	27	44	100	33	72	35.0	2	225	6		0
29	71	39	55	100	42	84	50.5	2	VAR	4	.36	0
30	80	35	58	100	21	64	46.0	1	VAR	2	.04	0
31	82	37	50	94	40	64	38.0	M	360	M	.20	0
AVG	46	26	36			69	27.0	4	VAR/045	8	4.05 TOTAL	

Monthly Max = 80
Monthly Min = 5

Peak Gust = 30 mph on Mar 17

Table A55. Monthly meteorological summary.

April 1977												
Date	Temperature (°F)			Rel. Hum. %			Dew Point	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean	Mean (°F)	Speed(MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	44	24	34	78	16	63	23.0	M	360	M		
2	43	24	34	93	24	64	23.0	4	180	9	.11	
3	57	31	44	96	15	46	19.5	M	M	M		
4	45	27	36	55	22	35	11.5	3	90	10		
5	37	32	34	100	57	90	32.0	5	180	13	.88	
6	43	30	36	80	23	37	13.0	M	M	M		
7	37	23	30	71	25	43	10.5	4	270	7		
8	35	20	28	96	35	56	14.0	5	315	11	.05	
9	35	15	25	94	29	46	7.5	4	360	7		
10	47	19	33	96	18	47	15.5	5	030	12		
11	59	20	39	93	25	46	21.0	3	225	9		
12	73	36	54	100	29	60	41.0	2	VAR	8		
13	82	34	58	100	24	59	44.0	4	225	11	.10	
14	49	33	41	100	35	54	25.5	6	360	14		
15	51	27	39	93	32	50	22.0	4	360	13		
16	57	25	41	94	28	52	25.0	5	360	12		
17	65	31	48	100	27	57	33.5	1	VAR	5		
18	70	29	50	100	29	62	37.0	M	M	M		
19	76	29	42	100	22	54	27.0	3	VAR	10		
20	73	29	51	100	30	58	37.0	3	220	10		
21	83	44	64	100	36	66	52.0	3	220	8		
22	80	49	64	100	47	77	57.0	3	VAR	6		
23	60	42	51	100	92	100	51.0	3	030	10	1.24	
24	42	37	40	100	87	98	39.0	4	050	6	.54	
25	44	37	40	100	83	97	39.5	1	VAR	3	.11	
26	55	40	48	100	53	84	43.5	1	VAR	4		
27	59	38	48	100	44	78	41.0	3	200	8	.03	
28	58	31	44	100	40	65	33.5	M	M	M		
29	50	25	38	80	30	43	17.5	8	300	12		
30	67	26	46	100	24	61	34.0	3	VAR	8		
AVG	55	30	43			62	30	3	170	9	3.25 TOTAL	

Monthly Max = 83
Monthly Min = 15

Peak Gust = 35 mph on Apr 13

Table A56. Monthly meteorological summary.

May 1977

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	74	28	51	100	21	60	37.5	M	M	M		
2	68	47	58	100	45	68	47.5	M	M	M	.08	
3	56	34	45	100	31	58	31.0	7	330	11	.01	
4	70	24	47	100	18	62	34.5	2	VAR	6		
5	74	34	54	100	40	73	46.0	5	220	8	.04	
6	86	51	68	100	26	63	55.5	6	210	12	.01	
7	57	32	44	98	30	52	28.0	8	330	12		
8	56	25	40	100	28	59	27.5	4	250	10		
9	46	34	40	100	47	83	35.5	9	020	16	.15	
10	50	38	44	100	42	69	34.5	9	340	15	.10	
11	63	37	50	100	34	66	39.0	7	350	12		
12	72	31	52	100	26	58	37.5	M	M	M		
13	57	41	49	100	32	53	32.5	M	M	M		
14	55	34	44	94	32	47	25.5	8	330	12		
15	66	27	46	100	20	58	32.0	4	VAR	9		
16	85	30	58	100	24	61	44.5	3	VAR	6		
17	92	43	68	100	32	66	56.0	3	VAR	8		
18	84	51	68	100	32	67	56.0	M	M	M	1.01	
19	78	49	63	100	42	75	55.0	M	M	M	.06	
20	88	49	67	100	39	77	59.5	2	VAR	5		
21	91	49	70	100	41	73	61.0	3	220	7		
22	96	57	76	100	31	71	66.5	3	220	7		
23	92	57	74	100	33	72	65.0	3	VAR	6		
24	94	54	74	100	43	80	67.5	2	VAR	5		
25	86	59	72	100	35	66	60.5	5	340	10		
26	74	49	62	100	25	53	44.5	7	340	10		
27	71	43	57	99	35	64	45.0	5	340	14		
28	70	43	56	100	69	90	54.0	4	VAR	11	.09	
29	71	40	56	100	40	74	47.5	4	040	8		
30	77	41	59	100	32	79	52.5	2	VAR	5		
31	85	42	64	100	30	68	54.0	2	VAR	6		
AVG	73	41	57			68	46	5	VAR	9	1.55	TOTAL

Monthly Max = 96
Monthly Min = 24

Peak Gust = Missing

Table A57. Monthly meteorological summary.

June 1977

Date	Temperature (°F)			Rel. Hum. %			Dew Point Mean (°F)	Wind			Precipitation (in)	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt.	Snow Depth
1	67	48	58	100	62	92	55.5	4	240	9	.21	
2	80	56	68	100	58	95	66.5	2	240	8	.81	
3	57	45	51	100	40	72	42.5	7	360	13		
4	75	42	58	100	29	64	46.5	5	010	12		
5	68	51	60	100	60	83	54.5	5	360	10		
6	69	44	56	100	47	85	52.0	3	030	6	1.00	
7	57	47	52	100	81	97	51.0	2	040	6	.70	
8	53	42	48	100	65	86	43.5	4	230	8	.03	
9	65	37	51	100	44	83	46.0	3	VAR	11		
10	63	48	56	100	67	91	53.0	6	030	10	.21	
11	59	51	55	100	77	91	52.5	5	020	10	.03	
12	66	53	60	100	72	92	57.5	3	030	8		
13	79	53	66	100	51	80	59.5	2	020	7		
14	79	51	65	100	52	87	61.0	1	VAR	5	.22	
15	76	45	60	100	29	71	51.5	4	360	11		
16	80	39	60	100	27	75	52.0	2	VAR	5		
17	69	47	58	100	34	85	53.5	3	230	9	.01	
18	81	57	69	100	49	90	66.0	3	210	5	.09	
19	80	55	68	100	39	71	58.0	4	M	8	.05	
20	82	52	67	100	38	74	58.5	4	270	6	.06	
21	74	50	62	100	52	85	57.5	3	VAR	8	.06	
22	64	45	54	100	53	83	49.5	4	020	10		
23	72	47	60	100	51	81	54.0	2	070	6		
24	81	47	64	100	38	74	55.5	3	230	8		
25	72	60	66	100	72	87	62.0	4	230	7	.68	
26	71	59	65	100	74	97	64.0	2	VAR	5	.35	
27	88	59	74	100	49	84	68.5	2	270	4	.02	
28	88	59	74	100	48	80	67.0	5	230	8		
29	75	63	69	100	57	89	65.5	5	230	8	.97	
30	81	59	70	100	37	79	55.0	6	VAR	9		
AVG	72	50	61			83	56.0	4	170	8	5.50	TOTAL

Monthly Max = 88
Monthly Min = 37

Peak Gust = 26 mph on June 2

Table A58. Monthly meteorological summary.

July 1977													
Date	Temperature (°C)			Rel. Hum. %			Dew Point	Wind			Precipitation		
	Max	Min	Avg	Max	Min	Mean	Mean (°C)	Speed(MPH)	Dir.	Max-Hrly	Amt. (mm)	Snow Depth (cm)	
1	30	14	22	100	32	77	18.0	4	250	10			
2	23	10	16	100	43	70	10.5	3	VAR	M	.50		
3	26	8	17	100	37	74	12.5	3	240	M	.55		
4	29	13	21	100	57	89	19.0	3	VAR	8	.60		
5	29	13	21	100	31	70	15.5	5	340	12			
6	22	7	14	100	40	74	9.5	3	VAR	7			
7	26	6	16	100	29	75	11.5	2	VAR	4			
8	16	12	14	100	93	100	14.0	2	VAR	7	7.35		
9	29	14	22	100	50	83	18.5	4	320	8			
10	26	10	18	100	37	71	12.0	3	050	8			
11	26	8	17	100	42	78	13.0	3	230	7			
12	19	14	17	100	83	98	16.0	1	250	4	2.77		
13	31	19	25	100	36	84	22.0	4	220	8	.25		
14	27	15	21	100	38	72	16.0	4	360	10			
15	31	14	23	100	29	69	16.5	3	230	8			
16	32	18	25	100	45	78	21.0	2	VAR	5			
17	30	21	25	100	49	87	22.5	3	VAR	8	T		
18	30	17	23	100	31	73	18.0	3	360	8	1.5		
19	33	15	24	100	39	76	19.5	3	240	8			
20	35	20	27	100	35	70	21.0	4	230	8			
21	35	18	26	100	39	84	23.0	3	240	11	8.2		
22	19	9	14	100	34	62	7.0	7	360	16			
23	25	8	16	100	27	62	9.0	5	360	10			
24	29	13	21	100	31	66	14.0	5	240	4			
25	23	13	18	100	62	90	16.5	4	M	M	3.0		
26	20	8	14	100	27	64	7.0	3	M	M			
27	23	6	14	100	25	65	7.5	4	350	10			
28	26	7	16	100	23	65	9.5	3	220	8			
29	26	11	18	100	37	66	11.5	5	210	10			
30	24	16	20	100	67	88	17.5	3	240	7			
31	29	13	21	100	30	73	16.0	3	VAR	7			
AVG	26	12	19			76	15.0	3	260	8	24.72	TOTAL	

Monthly Max = 35 Peak Gust = 42 mph on July 21

Monthly Min = 6

*Temps and Precip. in metric units - temperatures rounded up to nearest degree

Table A59. Monthly meteorological summary.

August 1977													
Date	Temperature (°C)			Rel. Hum. %			Dew Point	Wind			Precipitation		
	Max	Min	Avg	Max	Min	Mean	Mean (°C)	Speed(MPH)	Dir.	Max-Hrly	Amt. (cm)	Snow Depth (mm)	
1	24	15	20	100	68	94	18.5	3	240	7			
2	29	16	22	100	30	73	17.0	3	250	7	4.75		
3	28	14	21	100	33	79	17.0	3	220	8			
4	31	16	23	100	35	76	18.0	4	230	8			
5	30	18	24	100	49	84	20.5	4	230	8			
6	26	18	22	100	60	94	21.0	2	240	8	1.50		
7	27	19	23	100	61	89	21.0	1	VAR	4	2.50		
8	28	18	23	100	60	90	21.0	2	240	6	.25		
9	26	11	18	100	24	60	10.0	5	340	10			
10	20	9	15	100	56	93	13.0	2	VAR	4	16.15		
11	30	18	24	100	42	81	20.0	2	VAR	7			
12	25	15	20	100	60	92	18.5	2	VAR	6	3.97		
13	26	14	20	100	40	79	16.5	5	220	9			
14	27	16	22	100	66	90	20.0	4	220	9	7.11		
15	26	12	19	100	28	71	14.5	2	VAR	7			
16	24	12	18	100	38	83	15.5	2	VAR	5	6.85		
17	26	13	19	100	50	82	15.5	5	240	8	.25		
18	22	9	16	100	32	69	10.0	5	M	M			
19	23	8	15	100	30	73	10.0	3	VAR	7			
20	20	7	14	100	33	75	9.0	5	VAR	11			
21	24	6	15	100	28	73	9.5	3	VAR	7			
22	23	10	17	100	54	89	15.0	5	M	8	2.28		
23	24	7	16	100	41	79	12.0	4	M	9			
24	17	10	13	100	88	98	13.0	4	050	8	1.78		
25	19	7	13	100	33	74	8.5	5	VAR	12			
26	23	6	15	100	30	74	10.0	3	220	6			
27	27	9	18	100	48	82	14.5	4	240	9			
28	33	17	25	100	43	79	21.0	3	250	8			
29	33	20	22	100	32	76	17.0	4	230	9			
30	25	13	19	100	47	83	15.5	4	070	8			
31	22	12	17	100	57	81	13.5	3	VAR	8			
AVG	25	13	19			81	15.4	3	VAR/220	8	47.39	TOTAL	

Monthly Max = 33 Peak Gust = 24 mph on Aug 9

Monthly Min = 6

Table A60. Monthly meteorological summary.

September 1977

Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt. (mm)	Snow Depth (cm)
1	29	19	24	100	52	80	20.0	M	M	M		
2	29	19	24	100	42	80	20.0	4	220	7		
3	26	12	19	100	37	78	14.5	3	VAR	10	0.25	
4	25	10	18	100	30	73	12.5	3	VAR	7		
5	22	12	17	100	60	91	15.5	3	230	8	0.25	
6	21	11	16	100	39	75	11.5	4	VAR	10		
7	21	8	15	100	23	68	8.5	3	VAR	8		
8	22	7	15	100	24	71	9.5	3	VAR	7		
9	22	7	15	100	43	72	9.5	5	200	10		
10	24	13	19	100	39	74	14.0	3	230	7	0.51	
11	18	6	12	100	33	66	6.0	6	360	12		
12	21	4	13	100	28	75	8.5	3	VAR	7	0.25	
13	15	11	13	100	85	99	12.5	2	VAR	5	11.25	
14	22	11	16	100	43	79	12.5	6	240	10	26.00	
15	20	6	13	100	43	76	9.0	4	050	8		
16	17	7	12	100	66	94	10.5	2	240	5	4.25	
17	16	12	14	100	91	98	13.0	1	VAR	3	3.50	
18	25	18	20	100	54	90	18.5	1	VAR	4		
19	24	13	19	100	52	90	17.0	3	050	5	2.25	
20	14	5	10	100	64	90	8.0	4	080	7	27.25	
21	11	6	9	100	80	95	8.0	3	050	6	3.25	
22	13	6	9	100	63	88	7.0	2	050	5		
23	16	6	11	100	52	89	8.0	2	050	5		
24	11	8	10	100	78	90	8.0	3	190	5	2.00	
25	11	6	8	100	61	74	4.0	6	170	8		
26	17	9	13	100	82	97	12.0	5	230	7	14.60	
27	19	9	14	100	52	82	10.5	4	230	9	0.25	
28	19	7	13	100	59	92	11.0	2	VAR	3	2.00	
29	15	5	10	100	47	78	6.5	6	020	8	4.75	
30	13	3	8	100	67	94	6.5	4	210	5	4.00	
AVG	19	9	14			83	11.0	3	VAR	7	106.61	TOTAL

Monthly Max = 29
Monthly Min = 3

Peak Gust = 28 mph on September 14

Table A61. Monthly meteorological summary.

October 1977

Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt. (mm)	Snow Depth (cm)
1	16	10	13	100	82	98	12.0	3	VAR	7	43.35	
2	16	10	13	100	72	91	11.5	4	030	7	0.75	
3	10	6	8	94	61	78	4.0	6	360	8		
4	14	2	8	100	35	74	3.5	4	340	10		
5	20	1	11	100	31	77	6.5	4	230	8		
6	17	2	9	100	27	76	5.0	4	230	9	0.50	
7	10	-2	4	100	32	72	-0.5	5	020	10		
8	9	-5	2	100	42	77	-2.0	4	200	8	3.55	
9	16	6	11	100	76	91	9.0	5	240	8	36.40	
10	11	5	8	100	60	81	4.5	3	270	5	0.25	
11	16	2	9	100	43	78	5.5	4	VAR	6		
12	13	4	9	100	40	79	5.0	3	VAR	9		
13	9	-1	5	100	52	79	1.0	4	VAR	9		
14	5	-2	2	100	66	94	1.0	5	050	7	4.30	
15	7	0	4	100	66	93	2.5	4	360	7	5.56	
16	14	-1	7	100	58	89	5.0	4	VAR	9	1.25	
17	11	4	7	99	70	90	5.5	6	300	12	45.25	
18	14	3	8	97	29	70	3.0	3	240	7		
19	10	5	7	99	71	91	5.5	3	060	6		
20	10	7	8	100	67	79	4.5	7	030	11		
21	17	1	9	100	34	74	4.5	3	250	7		
22	14	2	8	100	43	79	4.0	4	VAR	8	0.70	
23	9	-5	2	100	32	60	-5.0	5	360	10		
24	14	-6	4	100	29	78	0.5	2	VAR	4		
25	20	-3	9	100	39	80	5.5	1	VAR	3		
26	21	6	7	100	45	76	2.5	4	220	10		
27	23	5	14	100	40	84	11.0	2	VAR	7		
28	16	1	8	100	45	81	5.0	3	010	10		
29	M	-3	M	100	M	M	M	2	VAR	7		
30	M	M	M	100	33	M	M	3	070	9		
31	14	-6	4	100	M	M	M	1	VAR	6		
AVG	13	1	7			81	4.4	4	VAR	8	141.86	TOTAL

Monthly Max = 23
Monthly Min = -6

Peak Gust = 26 mph on Oct 4

Table A62. Monthly meteorological summary.

November 1977

Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	AVG	Max	Min	Mean		Speed(MPH)	Dir.	Max-Hrly	Amt. (mm)	Snow Depth (cm)
1	19	-7	6	100	32	87	4.0	2	240	7		
2	18	-2	8	100	51	90	6.5	1	VAR	4		
3	16	1	8	100	53	83	5.5	2	230	6		
4	12	8	10	94	56	77	5.5	2	240	7	1.00	
5	12	7	9	100	70	91	7.5	3	040	7	0.25	
6	M	M	M	100	M	M	M	3	230	5	0.75	
7	10	M	M	100	41	M	M	5	100	8	2.80	
8	9	4	6	100	77	91	4.5	5	070	8	4.10	
9	13	8	10	100	88	99	10.0	2	VAR	5	0.30	
10	16	10	13	100	90	99	12.5	3	190	7	7.20	
11	17	1	9	100	52	70	4.0	7	230	10	19.20	
12	7	-3	2	100	38	76	-2.0	2	210	5		
13	2	-1	1	99	68	80	-2.0	7	360	11		
14	-1	-8	-4	85	40	58	-11.0	5	330	8		
15	1	-10	-4	100	58	88	-5.5	1	VAR	3		
16	16	-2	7	100	48	82	4.0	3	VAR	8		
17	16	6	11	100	76	93	10.0	2	VAR	9	6.40	
18	9	2	5	100	46	79	1.5	6	220	10	1.35	
19	7	-1	3	96	41	59	-4.0	6	320	9		
20	6	-3	2	97	45	71	-5.0	3	010	8		
21	8	1	4	100	52	80	2.0	3	VAR	6		
22	7	-1	3	100	38	64	-3.0	3	VAR	8		
23	5	-3	1	100	40	78	-2.5	4	210	8	3.90	
24	8	3	5	100	57	92	4.0	3	240	6	3.70	
25	7	-2	3	100	45	79	-1.0	3	VAR	5		
26	7	-2	2	100	74	93	1.0	6	VAR	13	15.50	
27	-3	-9	-6	78	38	53	-14.0	6	290	9		
28	0	-7	-3	100	67	91	-4.5	2	VAR	3	2.20	
29	3	-6	-2	100	55	85	-3.5	2	VAR	4		
30	1	-7	-3	100	75	93	-4.0	2	VAR	5	4.50	
AVG	8	-0.3	4			81	1.0	4	VAR	7	73.15	TOTAL

Monthly Max = 19

Peak Gust = 27 mph on Nov 17

Monthly Min = -10

Table A63. Monthly meteorological summary.

December 1977

Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	AVG	Max	Min	Mean		Speed(MPH)	Dir.	Max-Hrly	Amt. (mm)	Snow Depth (cm)
1	7	2	4	100	87	94	3.0	5	220	11	14.6	2
2	11	0	6	100	41	64	-1.0	6	230	14		
3	8	2	5	99	43	57	-3.5	7	230	10		
4	5	-3	1	100	38	66	-4.5	5	270	8		
5	-2	-7	-4	100	60	89	-5.5	4	040	7	8.75	25
6	-1	-4	-2	100	98	100	-2.0	M	M	M	1.25	31
7	-3	-18	-11	M	M	M	M	M	M	M		33
8	-5	-16	-10	M	M	M	M	2	VAR	6	6.50	25
9	-1	-13	-7	100	M	M	M	5	230	10		28
10	-5	-16	-11	81	37	55	-18.0	7	330	9		25
11	-22	-28	-25	M	M	M	M	4	VAR	10	0.75	22
12	-15	-29	-22	M	M	M	M	3	VAR	7	0.50	20
13	-6	-16	-11	M	M	M	M	4	VAR	7	17.75	27.5
14	3	-7	-2	100	96	99	-2.0	5	240	9	4.75	30
15	5	2	4	100	73	88	-5.0	5	010	12		26
16	5	2	3	90	57	69	-2.0	6	360	11		22.5
17	2	-9	-4	100	50	70	-8.0	6	040	9		22
18	4	-14	-5	100	62	85	-7.0	3	VAR	7		20
19	4	-2	1	86	66	74	-3.0	6	060	9		19
20	0	-4	-2	98	73	81	-4.5	4	060	7	5.25	22
21	4	-3	1	100	80	90	-0.5	4	330	7		26
22	4	-2	1	100	50	77	-2.5	4	230	9		25
23	5	-3	1	88	48	69	-4.0	5	220	8		24
24	8	-9	1	100	46	86	-1.5	1	VAR	3	8.00	21
25	6	-4	1	100	54	88	-1.0	3	VAR	7		19
26	8	-11	2	100	M	M	M	5	300	7		19
27	-5	-22	-13	M	M	M	M	1	VAR	5		17
28	-6	-22	-14	M	M	M	M	C	CALM	2		17
29	-5	-21	-13	M	M	M	M	2	VAR	7		17
30	-4	-18	-11	M	M	M	M	1	VAR	3		17
31	1	-15	8	M	M	M	M	5	050	8		17
AVG	0	-9	-5			M	M	4	VAR	7	68.10	TOTAL

Monthly Max = 11

Peak Gust = 29 mph on Dec 2 and 9

Monthly Min = -29

Table A64. Monthly meteorological summary.

January 1978

Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt. (mm)	Snow Depth (cm)
1	-1	-20	-10	M	M	M	M	1	180	5		17
2	-5	-21	-13	M	M	M	M	2	270	6		20
3	-6	-23	-14	M	M	M	M	5	240	8		21
4	-6	-21	-14	M	M	M	M	CALM	VAR	2		21
5	1	-13	-6	100	64	90	-7.5	1	250	5		17
6	-2	-7	-5	100	60	82	-7.0	7	050	9		17.5
7	-4	-8	-6	100	85	94	-6.5	6	140	8		18.5
8	4	-7	-2	100	100	100	-1.5	5	240	7	13.75	19
9	5	-13	-5	100	69	84	-6.0	9	230	15	22.30	13
10	-13	-19	-16	97	57	83	-18.0	9	270	16	0.30	14
11	-6	-19	-12	100	53	80	-15.0	7	230	10		15
12	-6	-18	-12	100	50	84	-14.5	5	060	8		16
13	-9	-18	-13	100	95	99	-13.0	5	040	9	0.30	15
14	-4	-9	-6	100	99	100	-6.0	5	050	8	13.40	37
15	-6	-16	-11	100	82	95	-11.5	3	010	7	0.20	37
16	-5	-15	-10	100	62	81	-12.5	4	240	8		36
17	-9	-17	-13	100	84	97	-13.0	4	060	7	0.80	36
18	-6	-13	-9	100	80	95	-9.5	6	010	10	8.30	42
19	-6	-15	-10	100	75	93	-11.0	2	070	4		43
20	-11	-12	-11	100	80	96	-11.5	6	040	9	9.30	41
21	-8	-12	-10	100	84	97	-10.0	3	340	6	8.70	53
22	0	-21	-10	100	62	93	-11.0	CALM	VAR	3	0.70	62
23	1	-20	-10	100	58	91	-10.5	2	VAR	6		59
24	2	-23	-11	100	54	92	-11.5	1	VAR	3		57
25	1	-6	-3	100	88	99	-2.5	1	VAR	3	12.00	56
26	12	-3	5	100	43	77	1.0	10	210	20	19.70	65
27	-3	-8	-5	100	59	77	-3.5	9	220	13		35
28	-5	-12	-9	88	55	71	-13.0	5	270	7		31
29	-9	-20	-14	100	58	84	-16.0	3	VAR	7		31
30	-8	-17	-13	100	67	92	-13.5	3	030	8		31
31	-4	-19	-12	100	53	82	-14.0	3	VAR	7		37
AVG	-4	-15	-9			89	-10.0	4	147	7.9	109.75	TOTAL

Monthly Max = 12 Peak Gust = 40 mph on Jan 26
 Monthly Min = -23

Table A65. Monthly meteorological summary.

February 1978

Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt. (mm)	Snow Depth (cm)
1	-5	-22	-13	100	59	85	-15.0	3	VAR	8		37
2	-6	-22	-14	100	55	88	-15.0	1	VAR	6		36
3	-12	-25	-19	100	47	77	-21.5	4	030	11		34
4	-12	-29	-20	100	42	76	-23.0	4	030	8		33
5	-10	-29	-19	100	44	78	-22.0	1	VAR	4		38
6	-6	-16	-11	100	49	77	-14.0	7	050	9		38
7	-4	-7	-6	100	100	100	-5.5	9	030	11	2.5	M
8	-3	-21	-12	100	51	87	-14.0	5	030	10	16.75	75
9	2	-28	-13	100	37	84	-15.0	1	VAR	4		68
10	-2	-26	-15	100	48	87	-16.5	1	CALM	4		66
11	-2	-29	-15	100	51	87	-16.5	1	M	4		56
12	0	-21	-10	100	55	87	-12.0	1	M	4		55
13	-2	-15	-8	100	43	82	-10.5	3	VAR	6		54
14	-2	-17	-9	100	52	86	-11.0	2	VAR	5		54
15	-3	-22	-12	100	49	85	-14.0	1	VAR	5		54
16	-1	-22	-11	100	43	82	-13.5	CALM	VAR	2		54
17	2	-11	-6	100	59	86	-8.0	2	VAR	5		52
18	1	-16	-8	100	58	92	-9.0	2	VAR	7		52
19	-3	-19	-11	100	37	73	-14.0	3	VAR	9	.37	51
20	1	-25	-12	100	39	87	-14.0	1	VAR	6		51
21	-1	-18	-9	100	50	82	-11.5	2	VAR	8		50
22	-7	-24	-13	100	57	84	-15.5	"	030	9		50
23	4	-17	-6	100	41	67	-11.0	4	320	12		50
24	2	-10	-4	100	55	80	-7.0	3	VAR	8		53
25	5	-15	-5	100	44	73	-9.5	3	VAR	8		53
26	4	-15	-5	100	47	79	-8.0	3	VAR	10		53
27	0	-13	-6	100	54	77	-9.5	6	010	11		53
28	-2	-20	-11	100	45	78	-14.0	3	VAR	12	19.62	53
AVG	-2	-20	-11			82	-13.2	3	VAR	7		45

Monthly Max = 5 Peak Gust = 27 mph on Feb 27
 Monthly Min = -29

Table A66. Monthly meteorological summary.

March 1978

Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt. (mm)	Snow Depth (cm)
1	-3	-22	-12	100	42	74	-16.0	M	M	M		53
2	-5	-24	-14	100	41	76	-17.5	M	M	M		53
3	-3	-22	-12	100	47	90	-13.5	CALM	VAR	3	1.50	55
4	-3	-12	-8	100	55	82	-10.0	5	330	14	1.90	56
5	-6	-18	-12	100	44	66	-16.5	6	330	11		55
6	1	-19	-9	100	35	57	-16.0	6	330	11		55
7	-1	-13	-7	100	48	58	-13.5	7	360	11		51
8	6	-21	-8	100	39	77	-11.0	CALM	VAR	2		53
9	8	-18	-5	100	32	69	-10.0	1	220	5		50
10	7	-12	-3	100	41	77	-6.0	2	060	6		49
11	11	-11	0	100	41	74	-4.0	2	220	4		47
12	10	-3	4	100	58	85	1.0	2	250	6		44
13	10	-7	2	100	25	70	-3.5	M	M	M		40
14	2	-5	-2	100	62	92	-3.0	M	M	M	13.0	40
15	5	-5	1	100	72	85	-1.5	4	270	6		37
16	0	-8	-4	100	48	68	-9.0	4	060	6		35
17	0	-13	-7	100	38	63	-12.5	2	330	7		34
18	2	-17	-8	100	37	66	-13.0	4	240	7		35
19	7	-5	1	100	48	76	-3.0	8	240	12		30
20	2	-9	-4	90	24	46	-13.5	2	VAR	4		33
21	12	-9	2	100	61	87	-0.5	3	230	8		33
22	4	-3	1	100	54	79	-2.5	3	270	8		28
23	9	-4	3	100	43	79	-0.5	2	VAR	7	4.00	30
24	3	-8	-3	100	32	56	-10.0	6	350	11		24
25	3	-12	-5	87	31	55	-12.0	2	VAR	5		25
26	1	-3	-1	100	60	85	-3.5	3	VAR	5	2.60	24
27	4	-1	2	100	97	100	2.0	2	220	6	7.30	29
28	8	1	4	100	50	79	0.5	3	250	6		23
29	8	0	4	100	46	68	-1.5	4	260	10		18
30	5	-5	0	100	44	73	-4.0	4	030	9		15
31	7	-6	1	100	46	79	-2.5	2	360	5		5
AVG	4	-10	-3			74	-7.5	3	VAR	7	30.3	TOTAL

Monthly Max = 12 Peak Gust = 36 mph on March 19
 Monthly Min = -24

Table A67. Monthly meteorological summary.

April 1978

Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt. (mm)	Snow Depth (cm)
1	7	-3	2	100	56	91	0.5	7	VAR	8	11.80	
2	4	-5	0	100	40	54	-8.0	9	350	14		
3	6	-8	-2	92	28	49	-11.5	2	VAR	5		
4	2	0	1	100	62	89	-0.5	4	220	6	2.50	
5	6	1	3	100	55	78	-0.5	3	VAR	10	7.10	
6	8	-4	2	100	34	60	-5.0	5	010	10		
7	2	-4	-1	100	62	98	-1.5	0	VAR	4	2.90	
8	4	-3	1	100	66	78	-2.5	5	010	10	0.80	
9	5	-5	0	92	49	66	-5.5	5	020	10		
10	12	0	6	100	M	M	M	2	VAR	5		
11	5	-1	2	100	87	M	M	M	M	M	11.50	
12	12	0	6	100	35	71	1.0	M	M	M	0.20	
13	19	-1	9	100	32	61	2.0	2	VAR	6		
14	7	1	4	70	54	61	-3.0	6	300	11		
15	6	-1	3	100	50	73	-1.5	5	330	9		
16	8	-2	3	100	40	74	-1.0	2	VAR	6		
17	10	-2	4	100	40	78	0.5	2	VAR	8		
18	15	-3	6	100	27	70	1.0	1	VAR	3		
19	10	-2	4	100	44	84	1.5	4	160	10	11.60	
20	8	4	6	100	98	100	6.0	1	VAR	4	3.90	
21	7	4	6	100	69	89	4.0	2	240	5	0.70	
22	12	-2	5	100	28	61	-2.0	5	330	11		
23	13	-4	5	100	23	53	-3.5	5	350	13		
24	15	-3	6	100	33	72	1.5	4	360	11		
25	11	-1	5	100	45	72	0.5	5	020	11		
26	17	-3	7	100	25	56	-1.0	3	020	8		
27	18	-1	9	100	32	65	2.5	3	050	9		
28	16	-1	8	100	32	60	0.5	4	040	10		
29	18	-2	8	100	24	57	0	2	350	4		
30	5	-2	2	75	43	54	-7.0	3	330	5		
AVG	10	-2	4			71	-1.1	3	VAR	7	53.00	TOTAL

Monthly Max = 19 Peak Gust = 34 mph on Apr 2
 Monthly Min = -8

Table A68. Monthly meteorological summary.

MAY 1978												
Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Erly	Amt. (mm)	Snow Depth (cm)
1	7.0	-2.0	2.5	100	51	71	-2.0	1.3	310	4.3		
2	8.0	0.5	4.0	100	59	72	-0.5	1.3	VAR	6.1		
3	12.0	-1.5	5.0	100	43	73	0.5	1.3	020	4.3		
4	15.5	-4.5	5.5	100	30	58	-2.0	0.4	VAR	0.9		
5	13.5	1.5	7.5	100	38	64	1.0	0.4	VAR	1.8		
6	18.5	-1.5	8.0	100	30	64	1.5	0.4	VAR	0.9		
7	21.5	5.0	13.0	100	27	62	6.0	0.4	VAR	1.3		
8	24.0	0.5	12.0	100	25	62	W	1.3	230	3.1		
9	20.0	7.5	13.5	100	65	92	12.0	1.3	230	2.2	17.9	
10	17.0	6.0	11.5	100	49	77	7.5	0.9	VAR	1.8		
11	23.5	3.5	13.5	100	27	64	7.0	0.9	VAR	2.2		
12	24.0	2.0	13.0	100	28	62	6.0	0.9	VAR	1.8		
13	24.0	11.5	17.5	98	44	64	10.5	0.9	VAR	2.2		
14	21.5	10.5	16.0	100	40	69	10.5	1.8	150	2.7		
15	13.0	10.5	12.0	100	88	97	11.5	0.9	110	1.8	8.0	
16	19.0	12.0	15.5	100	68	91	14.0	0.9	VAR	1.8	5.2	
17	19.5	12.5	16.0	100	66	90	14.5	0.9	VAR	1.8		
18	15.5	12.0	14.0	100	100	100	14.0	0.9	CAZM	0.9	2.3	
19	30.0	11.5	21.0	100	40	70	15.5	0.4	VAR	1.3		
20	30.5	12.0	21.0	100	33	72	15.5	0.4	VAR	1.8		
21	19.5	5.5	12.5	100	34	77	8.5	1.3	010	3.1	1.7	
22	22.0	2.0	12.0	100	29	66	6.0	0.9	350	2.7		
23	26.5	3.0	14.5	100	30	73	9.5	0.4	VAR	1.8		
24	23.0	6.0	14.5	100	42	77	10.5	0.4	VAR	2.2		
25	26.5	12.5	19.5	100	44	78	15.5	0.9	VAR	2.2		
26	26.5	9.0	17.0	100	42	77	13.0	0.4	VAR	1.8		
27	29.5	9.0	21.5	100	36	74	16.5	0.4	VAR	1.3		
28	30.0	13.5	21.5	100	30	74	17.5	0.4	VAR	1.3		
29	33.0	12.0	22.5	100	36	79	18.5	0.4	VAR	1.8		
30	31.0	14.0	22.5	100	45	86	19.5	0.4	VAR	1.8		
31	28.5	15.0	22.0	100	52	87	19.5	1.7	VAR	1.8	7.7	
Avg	21.8	7.2	14.5			75.3	9.9	0.8	VAR	6 MAX	42.8	TOTAL

Max = 31.0°C

Monthly Min = -4.5°C

Peak Gust = 7.1 MPS on 9 May

Table A69. Monthly meteorological summary.

JUNE 1978													
Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation		
	Max	Min	Avg	Max	Min	Mean		Speed (MPS)	Dir.	Max-Erly	Amt. (mm)	Snow Depth (cm)	
1	23.5	15.0	19.0	100	53	81	15.5	0.4	VAR	1.8			
2	22.5	13.5	18.0	100	70	92	16.5	0.9	VAR	1.8	22.0		
3	17.0	12.0	14.5	100	100	100	14.5	0.9	CALM	0.9	15.0		
4	18.5	4.5	11.5	100	34	70	6.0	0.9	010	2.7			
5	14.5	3.5	9.0	100	65	93	7.5	0.4	VAR	1.3	2.0		
6	21.5	2.5	12.0	100	30	67	6.0	0.9	VAR	2.2			
7	23.0	3.0	13.0	100	40	85	10.5	M	M	M	27.0		
8	23.5	16.0	20.0	100	100	100	20.0	M	M	M	6.9		
9	22.0	10.0	16.0	100	41	87	14.0	0.9	VAR	3.1	13.4		
10	21.5	7.5	15.0	100	28	62	8.0	1.3	020	3.1			
11	28.5	6.0	17.0	100	41	71	11.5	1.3	260	3.1			
12	30.0	13.5	22.0	100	44	68	16.0	1.3	250	2.7			
13	18.5	10.0	14.0	100	78	95	13.0	1.3	260	2.2	12.0		
14	14.5	5.0	10.0	100	42	75	6.0	1.8	310	3.1			
15	21.5	3.0	12.0	100	20	53	3.0	1.8	360	3.6			
16	24.5	3.0	14.0	100	32	67	8.0	0.4	VAR	1.3			
17	23.0	7.0	15.0	100	33	63	8.0	1.3	250	3.6			
18	25.5	13.5	19.5	100	72	88	17.5	0.9	270	1.8			
19	31.5	16.5	24.0	100	53	91	22.5	0.9	VAR	1.8			
20	24.0	15.5	20.0	100	55	87	18.0	0.9	VAR	2.7			
21	30.0	16.0	23.0	100	36	79	19.0	1.3	220	3.6	3.25		
22	25.5	11.5	18.5	100	40	81	15.0	0.9	270	2.7	2.25		
23	22.5	8.5	15.5	100	48	77	11.5	0.9	VAR	2.2			
24	24.0	9.0	16.5	100	32	71	11.0	1.3	360	2.7			
25	20.0	8.0	18.5	100	34	69	12.5	0.9	VAR	1.8			
26	28.0	10.0	19.0	100	44	82	16.0	1.3	250	2.7			
27	32.0	17.0	24.5	100	47	80	21.0	2.2	010	4.0			
28	28.0	14.5	21.0	100	39	72	16.0	2.2	360	3.1			
29	28.0	12.0	20.0	100	42	72	15.0	1.3	020	4.0			
30	23.0	9.5	16.0	100	26	60	8.0	2.2	020	4.0			
	24.0	9.0	17.0			78	12.9	1.2	VAR	4.0	103.8	TOTAL	

Max = 32.0°C

M - missing

Monthly Min = 2.5°C

Peak Gust = 9.4 MPS on 30 June 1978

Table A70. Monthly meteorological summary.

JULY 1978												
Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt. (mm)	Snow Depth (cm)
1	23.5	6.0	15.0	100		59	7.0	0.4	VAR	2.7		
2	24.0	4.5	14.5	100	26	64	8.0	0.4	VAR	2.7		
3	25.0	4.0	14.5	100	34	55	5.5	0.9	VAR	2.7		
4	20.5	8.0	14.0	100	43	73	9.5	1.3	180	3.6		
5	30.0	6.0	18.0	100	36	75	13.0	1.8	VAR	2.7		
6	32.0	12.0	22.0	100	34	73	17.0	1.8	240	4.0		
7	34.5	14.0	24.0	100	42	75	19.5	1.3	240	3.6		
8	33.5	16.5	24.5	100	48	80	21.0	1.8	250	2.2		
9	31.0	17.5	24.5	100	44	80	21.0	0.9	280	3.1		
10	29.0	14.5	22.0	100	47	77	18.0	1.3	230	4.0		
11	19.5	6.5	13.0	100	42	67	7.0	1.8	030	3.1		
12	26.0	5.0	15.5	100	32	66	9.0	1.3	160	4.5		
13	29.0	7.5	18.0	100	32	66	11.5	1.3	240	3.6		
14	31.5	15.0	23.0	100	50	80	19.5	1.3	240	2.7		
15	26.0	20.0	23.0	100	74	94	22.0	0.9	240	2.7	5.0	
16	29.5	19.0	22.5	100	80	94	21.5	0.9	230	2.7	5.0	
17	24.0	15.5	20.0	100	73	96	19.5	0.9	090	1.8	14.0	
18	28.5	19.5	24.0	100	40	82	20.5	0.4	VAR	2.2		
19	31.0	13.0	22.0	100	40	79	18.5	0.9	VAR	2.7		
20	30.5	17.0	24.0	100	52	81	20.5	1.3	240	3.6		
21	33.0	18.0	25.5	100	48	85	23.0	1.3	230	3.1		
22	30.5	20.5	25.5	100	57	85	23.0	0.9	340	2.2		
23	32.5	20.0	26.0	100	48	80	22.0	1.8	270	4.5	10.8	
24	24.0	10.5	17.5	100	34	68	11.5	2.2	030	4.5		
25	26.5	8.0	17.0	100	35	66	10.5	1.8	240	3.1		
26	27.5	14.0	21.0	93	35	63	13.5	2.2	230	4.0		
27	29.0	17.5	23.0	100	58	85	20.5	2.7	240	5.4	15.0	
28	24.0	7.5	17.0	100	50	78	13.0	1.8	020	3.1	2.0	
29	23.0	8.5	16.0	100	38	82	13.0	0.9	VAR	2.2	4.8	
30	20.0	8.5	14.5	100	42	77	10.5	1.3	020	3.1		
31	21.5	6.5	14.0	100	52	76	10.0	1.8	200	3.1	0.3	
AVG	27.7	12.3	19.8			76	15.5	1.3	SW	5.0	56.9	TOTAL

Monthly Max = 34.5°C
Monthly Min = 4.0°C

Peak Gust = 11.2 MPS on 12 July

Table A71. Monthly meteorological summary.

AUGUST 1978												
Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Amt. (mm)	Snow Depth (cm)
1	18.5	13.5	16.0	100	81	92	14.5	0.9	VAR	4.3		
2	28.0	16.0	22.0	100	56	84	19.0	0.9	VAR	6.9		
3	30.0	20.0	25.0	100	56	85	22.5	1.8	230	4.9	9.25	
4	26.0	13.0	19.5	100	46	86	17.0	0.9	VAR	3.1	18.5	
5	25.5	12.0	19.0	100	46	84	16.0	0.9	VAR	3.1		
6	26.0	16.0	21.0	100	73	94	20.0	0.9	VAR	2.7		
7	26.5	18.5	22.5	100	54	83	20.0	1.3	170	2.7	0.3	
8	29.0	18.0	23.5	100	52	86	21.0	1.3	240	3.6	3.2	
9	29.0	17.0	23.0	100	52	76	18.5	1.8	250	4.0	6.0	
10	25.0	11.0	18.0	100	41	72	13.0	1.3	360	4.0		
11	26.5	10.0	18.0	100	37	77	14.0	0.9	VAR	2.2		
12	19.0	16.0	17.5	100	85	99	17.5	0.9	VAR	1.8	25.0	
13	29.0	16.5	23.0	100	51	78	19.0	0.9	VAR	1.8		
14	30.5	17.0	24.0	100	50	85	21.0	1.3	270	3.1		
15	31.0	17.0	24.0	100	50	86	21.5	0.9	VAR	M		
16	30.0	19.5	25.0	100	61	86	22.5	2.2	240	4.0		
17	28.0	16.0	21.0	100	49	79	17.5	2.2	250	5.4		
18	24.0	12.0	18.0	100	56	85	15.5	1.3	VAR	3.6		
19	29.0	11.5	20.0	100	36	82	17.0	0.9	VAR	2.2		
20	27.0	13.0	20.0	100	52	79	16.5	2.2	020	6.3		
21	24.5	7.5	17.0	100	39	75	12.5	1.3	060	3.1		
22	24.0	7.0	18.5	100	28	78	14.5	0.9	VAR	2.2		
23	26.5	7.0	18.0	100	42	78	14.0	1.3	VAR	3.6		
24	16.0	10.0	13.0	100	76	97	12.5	1.3	060	2.2	19.7	
25	18.0	10.0	14.0	100	50	85	11.5	0.9	VAR	2.7	4.6	
26	22.0	7.5	16.0	100	43	83	13.0	0.9	VAR	2.2		
27	22.0	8.0	15.0	100	33	77	11.0	1.3	VAR	2.7		
28	14.0	7.0	11.0	100	98	100	11.0	0.9	VAR	1.3		
29	21.5	14.0	20.0	100	44	80	16.5	1.3	250	3.1	9.0	
30	21.5	17.0	19.0	100	41	81	15.5	0.9	VAR	2.2		
31	19.0	13.0	15.5	100	78	86	15.0	0.9	VAR	1.8	1.8	
AVG	25.1	13.4	18.2			84	16.3	1.2	VAR	7.0	97.35	TOTAL

Monthly Max = 31.0°C

M = missing

Monthly Min = 7.5°C

Peak Gust = 12.1 MPS on 20 August

Table A72. Monthly meteorological summary.

SEPTEMBER 1976												
Date	Temperature (°C)			Rel. Hum. %			Dew Point Temp (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPS)	Dir.	Max-Hrly	Am't. (mm)	Snow Depth (cm)
1	24.0	8.5	16.5	100	47	85	14.0	1.3	040	3.1		
2	26.0	8.0	17.0		38	82	13.5	0.9	VAR	3.1		
3	25.5	9.0	17.0	100	54	85	14.5	0.9	VAR	3.6		
4	22.0	9.5	16.0	100	33	76	11.5	1.8	030	4.5		
5	23.0	8.5	16.0	100	41	77	12.0	1.8	010	3.6		
6	26.0	8.0	17.0	100	51	74	12.5	1.8	240	4.5	2.7	
7	19.5	4.5	12.0	100	48	79	8.5	2.2	030	5.4	1.3	
8	19.0	4.5	12.0	100	36	80	8.5	0.9	VAR	2.2		
9	12.5	2.5	7.5	100	39	70	2.5	3.1	030	6.3		
10	13.5	1.5	7.5	100	49	84	5.0	0.9	VAR	2.2		
11	17.5	10.0	14.0	100	88	93	11.0	1.8	250	3.1	34.3	
12	16.5	5.0	11.0	100	44	87	9.0	1.8	040	3.6	2.7	
13	17.0	3.0	10.0	100	33	77	6.0	1.3	090	3.1		
14	19.0	2.5	11.0	100	32	80	7.5	1.3	240	2.7		
15	16.0	8.5	12.5	100	78	97	12.0	1.8	250	3.1	1.0	
16	22.5	8.5	15.5	100	50	81	12.5	1.8	250	3.6		
17	16.5	5.5	11.0	100	31	78	7.5	1.3	040	3.1		
18	17.0	8.0	12.5	100	38	79	9.0	1.8	080	3.1		
19	21.0	7.5	14.5	100	37	81	11.0	1.3	060	3.1		
20	24.5	5.0	15.0	100	41	87	13.0	1.8	VAR	2.2		
21	29.5	12.5	21.0	100	46	81	17.5	1.8	240	3.6	1.5	
22	17.0	6.5	12.0	100	52	81	9.5	2.2	040	3.1		
23	18.0	4.0	11.0	100	34	82	9.5	0.4	VAR	1.8		
24	21.0	4.0	12.5	100	44	84	10.0	1.3	230	3.6		
25	15.0	3.5	9.0	100	43	74	4.5	2.2	360	4.9		
26	15.5	-2.0	7.0	100	31	71	2.0	0.9	VAR	2.2		
27	20.5	1.0	11.0	100	28	76	7.0	1.3	240	3.6		
28	12.5	1.5	7.0	100	51	85	4.5	1.8	020	5.8		
29	16.5	-0.5	8.0	100	29	75	4.0	0.9	VAR	2.2		
30	12.0	2.5	11.0	100	24	66	5.0	2.2	240	4.5		
AVG	17.4	5.4	12.4			80	9.2	1.5	VAR	6.0	53.50	

Monthly Max = 24.5°C

Monthly Min = -2.0°C

Peak Gust = 13.9 MPS on 9 September

Table A73. Monthly meteorological summary.

OCTOBER 1976												
Date	Temperature (°C)			Rel. Hum. %			Dew Point Temp (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPS)	Dir.	Max-Hrly	Am't. (mm)	Snow Depth (cm)
1	18.5	12.0	15.0	100	76	92	14.0	1.0	VAR	2.0		
2	15.0	4.0	9.5	100	51	84	7.0	1.5	050	3.5		4.0
3	17.0	3.0	10.0	100	44	83	7.0	2.0	210	4.0		
4	12.0	7.5	10.0	100	60	84	7.5	2.5	190	5.0	7.8	
5	17.0	10.5	14.0	100	58	90	12.0	1.5	220	3.5	1.4	
6	12.5	10.0	11.0	100	88	99	11.0	1.0	VAR	3.5	12.8	
7	16.0	4.5	10.5	100	33	83	8.5	1.5	240	4.0		
8	7.5	2.5	5.0	100	44	63	-1.5	1.0	360	2.5		
9	10.0	-0.5	5.0	100	25	66	-1.0	1.0	330	2.5		
10	15.0	0.5	8.0	100	58	84	5.5	1.0	270	2.5		
11	17.5	5.0	11.5	100	52	89	10.0	CALM	CALM	1.0		
12	18.5	4.5	11.5	100	58	89	10.0	0.5	VAR	3.0		
13	16.5	8.0	12.5	100	86	97	12.0	1.5	350	3.0	5.25	
14	15.0	6.0	10.5	100	78	96	10.0	1.0	VAR	2.0	18.25	
15	6.5	-2.5	2.0	100	52	77	-1.5	2.0	080	4.0		
16	7.5	-4.5	1.5	100	30	73	-2.5	1.0	VAR	2.5		
17	7.5	-6.5	0.5	100	32	76	-3.0	0.5	VAR	2.5		
18	11.5	-5.5	3.0	100	24	70	-2.0	CALM	CALM	1.5		
19	13.0	5.0	9.0	100	48	83	6.5	1.0	240	2.5	5.0	
20	12.0	0.0	6.0	100	34	81	3.0	CALM	CALM	1.5		
21	20.5	-1.0	10.0	100	26	76	6.0	0.5	VAR	2.5		
22	24.0	3.0	13.5	100	34	75	14.0	0.5	VAR	2.5		
23	20.5	1.5	11.0	100	50	83	8.5	2.0	020	5.0	2.0	
24	6.5	-3.0	2.0	96	31	62	-4.5	1.0	020	3.0		
25	14.5	-1.0	7.0	100	32	65	1.0	2.0	230	4.0		
26	15.0	9.5	12.5	100	85	98	12.5	1.0	250	2.5	1.3	
27	13.0	0.5	7.0	100	35	71	2.0	1.5	360	3.0	4.3	
28	13.5	0.5	7.0	100	44	81	4.0	1.0	VAR	3.0		
29	8.0	-2.5	3.0	100	38	63	-3.5	1.0	010	2.5		
30	9.0	-6.0	1.5	100	32	76	-2.5	0.5	VAR	2.0		
31	18.5	-3.0	7.5	100	24	78	4.0	0.5	VAR	2.0		
AVG	14.7	2.8	8.0				5.0	1.1	VAR	3.0	52.1	TOTAL

Monthly Max = 24.0°C

Monthly Min = -6.5°C

Peak Gust = 14 MPS on 23 October

Table A74. Monthly meteorological summary.

NOVEMBER 1978												
Date	Temperature (°C)			Rel. Hum. %			Dew Point: Mean (°C)	Wind			Precipitation	
	Max	Min	Ave	Max	Min	Mean		Speed (MPS)	Dir.	Max-Hrly	Am't. (mm)	Snow Depth (cm)
1	10.5	-3.0	4.0	100	28	74	-0.5	1.0	060	3.0		
2	16.0	-5.0	5.5	100	22	71	0.5	1.0	250	3.5		
3	17.0	-2.0	7.5	100	29	81	4.5	CALM	CALM	0.5		
4	18.0	-2.5	8.0	100	30	80	4.5	CALM	CALM	1.5		
5	17.5	0.5	9.0	100	41	82	6.0	CALM	CALM	0.5		
6	20.0	0.5	10.0	100	36	81	7.0	CALM	CALM	1.0		
7	9.5	4.0	7.0	100	52	72	2.5	1.0	030	2.5	2.00	
8	6.0	1.5	4.0	100	78	96	0.5	CALM	CALM	0.5	1.50	
9	14.0	0.5	7.0	100	32	80	4.0	0.5	VAR	1.5		
10	12.5	0.0	6.0	100	50	79	2.5	0.5	VAR	1.5		
11	13.0	2.5	8.0	100	50	86	6.0	CALM	CALM	2.0		
12	7.5	-5.5	1.0	100	40	66	-4.5	2.0	030	5.0		
13	6.0	-8.0	-1.0	100	43	69	-6.0	1.0	230	3.0		
14	15.0	4.5	10.0	98	42	76	6.0	2.5	240	3.5		
15	10.0	-1.0	4.5	100	41	60	-2.5	1.0	320	2.5		
16	5.0	-6.0	-0.5	100	38	80	-3.5	CALM	CALM	3.0		
17	5.0	-8.0	-1.5	100	53	91	-3.0	1.0	210	4.0	5.75	
18	14.0	3.5	9.0	100	48	69	3.5	1.5	270	4.0	8.25	
19	2.0	-2.5	3.0	100	39	83	0.5	0.5	260	3.0		
20	0.0	-7.5	-4.0	100	32	55	-11.5	2.0	020	3.0		
21	-4.0	-4.0	-6.5	100	54	79	-9.5	CALM	CALM	2.0		
22	0.5	-12.5	-6.0	100	34	76	-9.5	CALM	CALM	1.0		
23	-1.0	-13.0	-7.0	100	44	86	-9.0	1.0	210	2.0	3.50	
24	2.5	-7.5	0	100	78	94	-1.0	0.5	VAR	2.0	4.50	7.0
25	1.0	-7.5	-3.5	84	49	62	-10.0	2.5	020	4.0		5.0
26	-6.0	-14.0	-10.0	86	38	57	-17.0	2.5	360	5.0		5.0
27	-7.0	-14.0	-10.5	100	50	72	-14.5	1.0	VAR	2.5	5.90	5.0
28	1.0	-8.0	-3.5	100	66	97	-4.0	1.0	240	3.5	0.90	12.0
29	1.0	-14.0	-5.0	100	52	83	-7.5	0.5	VAR	3.0		13.0
30	2.0	-7.0	1.0	100	40	67	-1.5	1.0	270	2.0		13.0
	2.0	-7.0	1.0		77		-2.0	0.8	VAR	5.0	31.90	
TOTAL												
Monthly Min = -14.0°C Peak Gust = 11.0 MPS on 18, 25, and 26 November												

Table A75. Monthly meteorological summary.

DECEMBER 1978												
Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPS)	Dir.	Max-Hrly	Am't. (mm)	Snow Depth (cm)
1	4.5	-7.0	-2.0	82	42	56	-9.5	1.0	VAR	2.5		10
2	4.5	-7.5	-1.5	100	36	64	-7.5	2.5	030	4.5		3
3	-4.0	-16.0	-10.0	100	54	85	-12.0	CALM	CALM	2.5	5.8	9.5
4	8.0	-4.0	2.0	100	39	85	-0.5	1.0	VAR	2.5		8
5	5.0	-2.0	1.5	99	44	72	-3.0	1.0	VAR	3.5		7
6	9.0	-2.0	3.5	100	45	78	0.0	CALM	CALM	1.5		7
7	4.0	-6.0	-1.0	100	53	85	-3.0	CALM	CALM	0.5		5
8	3.5	0.0	2.0	100	78	98	1.5	CALM	CALM	0.5	7.2	5
9	2.0	-5.5	-2.0	100	80	97	-2.5	1.5	070	3.5	5.0	5
10	-6.0	-17.0	-11.5	100	54	83	-14.0	1.5	300	3.5	1.5	13
11	-7.0	-22.0	-14.5	100	59	88	-16.0	CALM	CALM	0.5		13
12	-1.0	-17.5	-9.0	100	60	90	-10.5	CALM	CALM	0.5		13
13	2.0	-8.0	-3.0	100	60	86	-5.0	1.0	240	3.5		11
14	1.5	-11.0	-4.5	100	42	66	-10.0	2.0	260	4.0		10
15	1.0	-12.0	-5.0	100	48	79	-8.0	0.5	VAR	1.5		9
16	8.0	-12.0	-2.0	100	38	85	-4.5	CALM	CALM	0.5		9
17	3.0	-5.0	-1.0	100	70	91	-2.5	1.5	300	3.0	9.0	18
18	-5.0	-11.5	-8.0	86	35	58	-15.0	3.0	320	5.0		18
19	-4.0	-17.5	-11.0	100	42	69	-15.5	2.0	320	3.0		17
20	-6.0	-19.5	-13.0	100	45	72	-17.0	0.5	VAR	1.5	2.8	20
21	4.5	-8.0	-2.0	100	46	73	-6.5	2.5	240	4.0	12.5	22
22	0.0	-16.0	-8.0	100	38	82	-10.5	CALM	CALM	0.5		23
23	4.5	-12.5	-4.0	100	44	84	-6.5	0.5	VAR	3.0		21
24	1.0	-12.0	-5.5	100	60	85	-7.5	CALM	CALM	2.0	9.5	30
25	1.0	-5.0	-2.0	100	79	93	-3.0	2.0	260	4.0		40
26	-1.0	-10.0	-4.5	100	54	81	-7.5	1.0	270	2.5		37
27	-2.5	-7.0	-6.0	100	49	75	-10.0	1.0	350	2.5		38
28	-4.5	-11.5	-11.0	100	51	75	-14.5	2.0	050	4.0		37
29	-6.0	-18.0	-12.0	100	60	86	-14.0	1.0	050	3.0		36
30	-7.0	-22.0	-15.0	100	66	86	-17.0	CALM	CALM	0.5		27
31	1.0	-11.0	-5.0	100	91	98	-5.0	CALM	CALM	0.5		
Avg	-0.4	-11.1	-5.4			81	-8.3	0.7	CALM/VAR	5.0	53.3	TOTAL
Monthly Max = 9.0°C Monthly Min = -22.0°C Peak Gust = 17.0 MPS on 18 December												

Table A76. Monthly meteorological summary.

JANUARY 1979												
Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Hrly	Am. (mm)	Snow Depth (cm)
1	9.0	2.0	5.5	100	100	100	5.5	CALM	CALM	1.5	5.00	27
2	9.0	-1.0	4.0	100	82	98	3.5	1.0	360	3.0	20.50	20
3	-1.0	-13.0	-7.0	94	43	60	-13.5	2.5	330	3.5		17
4	-8.0	-14.5	-11.0	99	44	69	-15.5	1.5	240	4.0		15
5	-7.0	-16.5	-12.0	100	36	72	-16.0	0.5	VAR	3.0		14
6	-2.5	-15.5	-9.0	100	56	89	-10.5	CALM	CALM	0.5		13
7	0.0	-7.0	-3.5	100	89	99	-3.5	CALM	CALM	1.0	11.40	12
8	0.5	-6.5	-3.0	100	80	93	-4.0	1.0	040	2.0	6.70	19
9	-5.5	-15.0	-10.0	98	60	88	-11.5	0.5	VAR	3.0		30
10	-6.0	-22.0	-14.0	98	58	86	-16.0	CALM	CALM	2.0		28
11	-13.0	-26.5	-20.0	100	50	78	-22.5	1.0	060	2.0		28
12	-13.0	-29.5	-21.0	94	62	84	-23.0	0.5	VAR	1.0		32
13	-2.0	-14.0	-8.0	100	85	97	-8.5	0.5	VAR	1.0		32
14	2.5	-5.0	-1.0	100	96	90	-2.5	1.0	240	3.5	15.00	34
15	-5.0	-16.5	-11.0	99	42	74	-15.0	1.0	240	2.5		36
16	-3.0	-16.5	-10.0	100	86	85	-12.0	CALM	CALM	2.0		36
17	-11.0	-24.0	-17.5	100	88	95	-18.0	0.5	VAR	1.0	8.10	40
18	-10.5	-19.5	-15.0	100	76	96	-18.5	2.5	010	5.5	0.30	59
19	-12.5	-26.5	-19.5	100	54	84	-21.5	1.0	050	2.5		49
20	-8.0	-21.0	-14.5	100	54	80	-17.0	CALM	CALM	1.0	1.00	48
21	2.0	-8.0	-3.0	100	80	97	-3.5	0.5	VAR	3.0	34.20	42
22	2.0	-4.5	-1.0	100	96	70	-6.0	1.5	290	2.5		36
23	1.5	-11.5	-5.0	100	46	84	-7.5	0.5	VAR	2.0		42
24	0.5	-12.5	-6.0	100	46	77	-9.5	1.0	060	3.5		48
25	3.0	0.5	2.0	100	60	92	1.0	2.5	090	5.0	15.10	40
26	3.5	-0.5	1.5	100	88	98	1.0	0.5	VAR	2.0	7.40	47
27	4.5	0.5	2.5	100	72	85	0.0	0.5	VAR	2.5		40
28	4.5	-1.0	3.0	100	80	93	2.0	0.5	VAR	2.5		36
29	5.0	1.0	3.0	100	62	75	-0.5	2.5	360	4.0		30
30	1.0	-6.0	-2.5	100	60	75	-6.5	3.5	030	5.5	1.00	35
31	1.0	-7.0	-4.0	100	73	90	-6.5	2.0	070	2.5	4.00	47
AVG	-7.6	-11.5	-6.4			85	-8.9	1.0	NE & VAR	6.0	129.7	TOTAL
Monthly Min = -29.0°C Monthly Max = 2.0°C Peak Gust = 14.5 MPH on 25 January												

Monthly Max = 9.0°C

Monthly Min = -29.5°C

Peak Gust = 14.5 MPH on 25 January

Table A77. Monthly meteorological summary.

FEBRUARY 1979												
Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPH)	Dir.	Max-Early	Am., (mm)	Snow Depth (cm)
1	-5.0	-9.5	-7.0	76	46	66	-12.5	2.0	020	4.0		45
2	-6.5	-11.0	-9.0	67	32	59	-15.5	3.5	080	5.0		44
3	-2.5	-15.5	-9.0	88	40	59	-15.5	2.0	030	4.0		43
4	-0.5	-22.5	-11.5	100	32	71	-16.0	C	CALM	2.0		43
5	-7.0	-15.0	-11.0	80	42	62	-17.0	2.5	310	5.0		40
6	-9.0	-20.0	-14.5	63	34	48	-23.0	2.5	360	5.5		40
7	-9.0	-22.0	-15.5	100	36	65	-20.5	0.5	VAR	1.5	1.0	48
8	-5.0	-18.0	-11.5	100	50	82	-14.0	1.0	VAR	3.0		46
9	-14.5	-27.0	-21.0	100	42	67	-26.0	1.5	010	4.0		46
10	-17.0	-33.5	-25.0	92	36	58	-31.0	1.5	010	3.5		46
11	-17.5	-32.5	-25.0	84	24	46	-33.5	1.5	080	5.0		44
12	-12.5	-34.0	-23.0	98	30	67	-27.5	C	CALM	1.5		44
13	-16.0	-34.0	-25.0	96	34	61	-30.5	2.0	010	5.0		42
14	-16.0	-26.0	-21.0	68	30	45	-30.0	2.5	030	4.5		40
15	-13.0	-28.5	-21.0	88	24	47	-29.5	2.0	030	4.0		40
16	-12.0	-21.5	-17.0	92	30	58	-23.5	2.5	090	4.0		40
17	-17.0	-26.5	-22.0	65	32	53	-29.0	2.5	030	4.0		40
18	-9.0	-32.0	-20.5	100	28	66	-25.0	0.5	VAR	3.0		40
19	M	-26.0	M	100	24	72	M	C	CALM	1.0		40
20	3.5	-22.5	-11.0	100	32	75	-14.5	C	CALM	0.5		40
21	1.0	-14.5	-7.0	100	48	87	-9.0	C	CALM	2.0		42
22	5.0	-3.5	1.0	100	49	65	-5.0	2.5	360	5.0		38
23	4.0	-7.5	-2.0	100	50	85	-4.5	1.5	210	3.5	18.9	40
24	2.5	-0.5	1.0	100	100	100	1.0	C	CALM	0.5		45
25	3.5	0.0	2.0	100	60	86	0.0	1.5	080	3.0		45
26	0.0	-2.5	-1.0	100	66	98	-1.0	1.0	090	3.0	20.5	45
27	1.5	-4.0	-1.0	100	74	94	-2.0	0.5	VAR	2.5		45
28	8.0	-4.5	2.0	100	77	98	-1.5	1.0	080	3.0		45
AVG	-5.9	-18.4	-12.2			68	-16.1	1.4	NE & VAR	6.0	40.4	TOTAL

Monthly Max = 8°C

Monthly Min = 34°C

Peak Gust = 15 MPH on 6 February

M = missing

Table A78. Monthly meteorological summary.

MARCH 1979												
Date	Temperature (°C)			Rel. Hum. %			Dew Point Mean (°C)	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Speed (MPS)	Dir.	Max-Hrly	Am't. (mm)	Snow Depth (cm)
1	9.0	-5.5	2.0	100	32	75	-2.0	1.5	180	4.0		38
2	2.5	0.0	1.0	100	80	94	0.0	0.5	VAR	2.5		36
3	3.0	0.0	1.5	100	87	96	1.0	1.0	VAR	2.5		32
4	11.0	2.0	6.5	100	58	86	3.5	2.0	240	3.5		30
5	10.5	4.0	7.0	100	100	100	7.0	0.5	VAR	2.0	3.0	30
6	9.5	3.5	6.0	100	100	100	6.0	C	CALM	1.0	19.8	25
7	6.0	1.5	4.0	100	63	84	1.5	1.0	070	2.5	0.2	16
8	7.0	1.5	4.0	87	46	68	-1.5	2.0	020	4.0		13
9	7.0	-3.0	2.0	100	34	76	-1.5	0.5	VAR	2.0		7
10	3.0	-3.0	0.0	100	100	100	0.0	C	CALM	1.5	5.0	7
11	1.5	-7.5	-3.0	100	48	82	-5.5	2.0	020	4.5	4.0	7
12	-3.5	-11.0	-7.0	80	29	52	-15.0	2.5	320	4.0		7
13	3.0	-15.0	-6.0	100	40	60	-12.5	2.0	230	3.5		3
14	7.5	-2.0	2.5	100	47	84	0	2.0	240	3.5	3.3	1
15	-1.5	-12.0	-7.0	100	40	51	-15.5	2.5	360	5.0		0
16	-1.0	-13.5	-7.0	100	38	63	-13.0	1.0	300	2.0		
17	7.0	-8.5	-3.0	100	36	68	-8.0	1.5	010	4.0		
18	7.0	-10.0	-3.5	100	44	62	-9.5	3.0	030	7.0		
19	7.5	-6.0	1.0	100	41	74	-3.0	2.0	040	5.5		
20	7.5	-3.0	2.0	100	34	62	-4.5	3.0	030	6.0		
21	16.0	-2.0	7.0	100	34	73	2.5	1.0	VAR	2.5		
22	18.0	-4.0	7.0	100	30	75	3.0	C	CALM	1.5		
23	10.0	-3.5	8.0	100	24	60	1.0	1.0	VAR	4.0		
24	17.0	1.0	9.0	100	44	71	4.0	2.5	180	6.0		
25	14.0	6.0	9.5	100	90	95	8.5	2.0	150	3.0		
26	6.0	-4.0	1.0	100	36	63	-5.0	2.0	290	3.5		
27	1.5	-6.0	-2.0	68	28	41	-13.5	2.5	300	4.0		
28	6.5	-8.0	-1.0	84	12	39	-13.0	1.0	VAR	3.0		
29	7.0	-4.0	1.0	98	60	79	-2.0	1.0	240	2.5		
30	7.0	-4.0	1.0	100	88	96	5.0	0.5	VAR	1.5	0.3	
31	6.0	-7.0	1.0	100	80	93	2.0	C	CALM	1.0	0.8	
AVG	6.0	-7.4	1.4			73	-2.4	1.4	VAR	7.0	35.4 TOTAL	
Monthly Min = -15 °C												
Peak Gust = 14.5 MPS on 24 March												

Monthly Max = 18.0°C

Monthly Min = -15°C

Peak Gust = 14.5 MPS on 24 March

Table A79. Monthly meteorological summary.

April 1979

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Am't (mm)	Snow Depth (cm)
1	5.5	3.5	4.5	100	76	91	3.0	1.0	VAR	4.0		
2	5.0	1.0	3.0	100	64	91	1.5	2.5	230	3.5	19.25	
3	8.5	1.0	5.0	100	48	81	2.0	0.5	VAR	2.0		
4	10.0	-4.0	3.0	100	21	64	- 3.0	1.0	VAR	2.5	1.80	
5	5.0	-0.5	2.5	100	56	88	1.0	0.5	VAR	2.5	5.50	5.0
6	2.5	-3.5	-0.5	100	38	81	- 3.5	2.0	250	5.0	1.50	
7	1.5	-3.0	-1.0	100	38	64	- 7.0	2.5	340	4.0	1.20	
8	5.0	-5.0	0.0	84	23	45	-10.5	1.5	340	2.5		
9	0.5	-3.0	-1.0	100	82	98	- 1.5	0.5	VAR	2.0	8.20	
10	4.0	-4.0	0.0	100	52	83	-2.5	2.0	020	4.0	1.00	0.8
11	8.5	-5.0	2.0	100	25	49	-7.5	1.5	010	3.5		
12	12.0	-4.0	4.0	100	34	62	-2.5	1.5	020	3.0		
13	12.0	-4.0	4.0	100	41	76	0.0	1.5	170	2.5		
14	3.5	0.5	2.0	100	100	100	2.0	1.0	VAR	2.0	5.50	
15	7.5	1.0	4.0	100	84	97	3.5	0.5	VAR	1.5	T	
16	6.0	1.5	4.0	100	100	100	4.0	C	CALM	1.0		
17	9.0	-2.5	3.0	100	47	85	0.5	1.0	VAR	3.5		
18	10.0	-4.5	3.0	100	38	66	-2.5	1.5	020	4.0		
19	11.0	-3.0	4.0	100	38	72	-0.5	1.5	020	4.0		
20	14.0	-4.0	5.0	100	29	64	-1.5	1.0	VAR	3.5		
21	19.0	-3.5	8.0	100	20	61	1.0	C	CALM	1.0		
22	18.0	-0.5	9.0	100	50	89	7.5	C	CALM	1.0		
23	19.5	1.5	10.5	100	31	72	5.5	1.5	010	4.0		
24	21.0	-1.0	10.0	100	35	69	4.5	1.0	VAR	4.0		
25	22.0	1.5	12.0	100	40	70	6.5	1.5	190	4.0		
26	21.0	9.5	15.0	100	62	87	13.0	2.0	240	4.0		
27	20.0	15.0	17.5	100	94	100	17.5	2.0	190	3.0	0.40	
28	23.0	10.0	16.5	100	50	84	13.5	1.0	VAR	3.5	11.00	
29	16.0	6.0	11.0	100	66	94	10.0	1.0	070	3.0	10.00	
30	20.0	2.0	11.0	100	36	76	7.0	0.5	VAR	1.0	1.00	
AVG	11.3	0	5.6			79	2.0	1.2	VAR	5.0	66.35	(Total)
Monthly Max =	23°C			Monthly Min =			-5°C			Peak Gust = 15.0 MPS on 7 April		

Monthly Max = 23°C

Monthly Min = -5°C

Peak Gust = 15.0 MPS on 7 April

Table A80. Monthly meteorological summary.

May 1979

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth (cm)
1	14.5	1.5	8.0	100	43	75	4.0	1.0	VAR	3.0		
2	14.0	-0.5	7.0	100	28	65	1.0	1.5	360	4.0		
3	16.0	-3.0	6.5	100	34	83	4.0	C	Calm	0.5	9.3	
4	15.0	6.5	11.0	100	64	91	9.5	0.5	VAR	2.0	1.7	
5	9.5	-1.5	4.0	100	41	70	-1.0	2.0	360	5.0		
6	14.5	-2.5	6.0	100	32	68	0.5	1.0	360	2.5		
7	21.0	-3.0	9.0	100	25	63	2.5	C	Calm	1.0		
8	28.0	1.5	15.0	100	26	62	8.0	0.5	VAR	2.0		
9	32.5	11.0	22.0	100	33	63	14.5	M	M	M		
10	29.0	15.5	22.0	100	42	65	15.0	1.0	020	3.5		
11	20.0	9.0	14.5	100	41	73	9.5	0.5	VAR	1.5		
12	19.5	10.5	15.0	100	54	72	10.0	2.0	180	2.0	1.75	
13	19.5	12.5	16.0	100	94	100	16.0	C	Calm	0.5	1.75	
14	19.5	11.0	15.0	100	56	89	13.5	C	Calm	1.0		
15	23.5	10.5	17.0	100	40	81	13.5	0.5	VAR	2.5		
16	21.0	9.0	15.0	100	38	66	9.0	1.0	VAR	2.0		
17	22.0	4.5	13.0	100	35	72	8.0	C	Calm	2.0		
18	18.0	5.0	11.5	100	61	89	8.5	0.5	VAR	1.5		
19	20.5	13.0	17.0	100	57	87	15.0	1.0	160	2.0	2.0	
20	18.0	13.0	15.5	100	91	99	15.5	C	Calm	1.0		
21	22.5	10.5	16.0	100	60	93	15.0	0.5	VAR	2.0		
22	18.0	4.0	11.0	100	33	72	6.0	1.0	010	2.5		
23	19.0	2.0	10.5	100	46	85	8.0	0.5	VAR	2.0	3.0	
24	13.5	11.0	12.0	100	100	100	12.0	0.5	VAR	1.0	36.0	
25	13.5	10.5	12.0	100	92	100	12.0	1.0	VAR	1.0	29.9	
26	13.5	10.5	12.0	100	87	97	11.5	1.0	VAR	1.0	3.0	
27	17.5	10.0	14.0	100	46	83	11.0	1.5	260	4.0	1.9	
28	21.5	10.0	16.0	100	58	91	14.5	0.5	VAR	2.5	10.0	
29	21.5	11.0	16.0	100	48	85	13.5	0.5	VAR	1.0	4.5	
30	17.0	10.0	13.5	100	84	100	13.5	C	Calm	1.0	9.1	
31	23.0	5.0	16.0	100	50	80	12.5	1.0	VAR	1.5		
AVG	19.2	7.2	13.2			81	9.9	0.7 ¹	VAR ¹	4.0	115.9 (Total)	

Monthly Max = 32.5°C
 Monthly Min = -3.0°C
 Peak Gust = 12 MPS on 5 May

M = Missing
 1. 30 days data

Table A81. Monthly meteorological summary.

June 1979

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth (cm)
1	26.5	11.0	19.0	100	46	80	15.5	0.5	VAR	2.5		
2	27.0	13.0	20.0	100	57	84	17.0	1.5	240	2.5		
3	25.0	13.0	19.0	100	48	84	16.5	0.5	VAR	2.5		
4	27.5	10.5	19.0	100	38	79	15.5	1.0	230	2.5	7.6	
5	28.5	12.5	20.5	100	47	87	18.0	0.5	VAR	2.0		
6	22.0	8.5	15.5	100	38	74	11.0	1.0	020	2.5		
7	26.5	6.0	16.5	100	46	79	13.0	1.0	220	2.5		
8	28.0	15.0	21.5	100	82	95	20.5	1.0	240	2.5		
9	27.5	20.5	24.0	100	86	99	24.0	0.5	VAR	1.5		
10	28.0	20.0	24.0	100	84	95	23.0	M	M	M	12.1	
11	20.5	13.5	17.0	100	92	99	17.0	M	M	M	0.5	
12	13.5	4.5	9.0	100	50	80	5.5	2.0	350	3.0		
13	18.5	4.0	11.5	100	39	73	7.0	1.0	360	3.0		
14	24.0	3.5	14.0	100	32	70	18.5	1.0	240	2.5		
15	29.0	8.5	18.5	100	50	79	14.5	1.0	250	2.0		
16	31.0	14.0	22.5	100	52	82	19.5	1.0	VAR	3.0		
17	31.0	15.5	23.5	100	37	71	18.0	1.0	220	3.0		
18	26.5	11.0	18.5	100	54	86	16.0	1.0	010	4.0		
19	25.0	7.0	16.0	100	25	66	9.5	1.0	030	3.0		
20	28.5	5.5	17.0	100	25	63	10.0	0.5	VAR	1.5		
21	28.0	7.0	17.5	100	22	60	9.5	0.5	VAR	1.5		
22	25.0	7.0	16.0	100	43	81	12.5	0.5	VAR	2.0		
23	20.0	13.0	16.5	100	53	73	11.5	1.0	240	2.5		
24	16.5	8.5	12.5	100	58	70	7.0	1.5	340	3.0		
25	19.0	4.5	12.0	100	32	66	6.0	1.5	020	4.0		
26	24.5	2.0	13.0	100	23	63	6.0	0.5	VAR	2.5		
27	26.5	8.0	17.0	100	36	63	10.0	2.0	240	3.5	0.8	
28	27.5	13.5	20.5	100	42	76	16.0	1.0	VAR	1.5	0.2	
29	27.0	15.0	21.0	100	36	78	17.0	0.5	VAR	1.5	4.1	
30	22.5	14.0	18.0	100	72	92	12.5	0.5	VAR	1.0		
AVG	25.0	10.3	17.6			78	14.0	1.0 ¹	VAR ¹	4.0	25.3 (Total)	

Monthly Max = 31.0°C
 M = Missing

Monthly Min = 2.0°C
 1. 28 days data

Peak Gust = 12.5 MPS

Table A82. Monthly meteorological summary.

JULY 1979

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth (cm)
1	26.0	16.5	21.0	100	70	92	19.5	1.0	150	3.0	11.5	
2	25.0	16.0	20.5	100	55	83	17.5	0.5	240	2.0	0.7	
3	25.5	9.0	17.0	100	20	55	8.0	1.5	350	4.0		
4	21.5	6.0	14.0	100	30	67	8.0	1.0	340	3.5		
5	17.0	6.0	11.5	100	43	71	6.5	2.0	010	4.5		
6	22.0	8.0	15.0	100	34	65	8.5	2.0	350	4.0		
7	26.5	6.0	16.0	100	30	67	10.0	1.0	320	4.0		
8	31.0	9.0	20.0	100	34	72	15.0	1.0	VAR	2.5		
9	31.5	12.5	22.0	100	37	76	17.5	0.5	VAR	2.5		
10	31.0	13.0	22.0	100	32	73	17.0	1.5	270	4.0		
11	29.5	17.0	23.0	100	41	74	18.0	1.0	230	3.5		
12	30.0	16.0	23.0	100	42	76	18.5	0.5	VAR	3.0		
13	34.0	17.0	25.5	100	34	74	17.5	1.0	340	4.0	13.2	
14	33.0	18.0	25.5	100	38	80	22.0	1.0	340	3.0		
15	27.0	18.5	23.0	100	72	91	21.5	1.5	180	4.0		
16	27.0	20.0	23.5	100	68	92	22.0	0.5	VAR	2.0		
17	27.0	17.0	21.0	100	44	81	17.5	1.0	060	3.0	4.2	
18	25.5	16.0	21.0	100	58	88	19.0	1.0	210	2.5		
19	29.0	12.5	21.0	100	29	57	12.0	1.0	270	2.5		
20	30.0	10.0	20.0	100	27	71	14.5	0.5	VAR	3.0		
21	31.0	12.0	21.5	100	34	71	15.5	1.0	230	3.5		
22	31.5	16.5	24.0	100	27	66	17.0	1.0	300	2.5		
23	34.0	15.5	25.0	100	31	74	20.0	0.5	VAR	1.0		
24	31.0	15.0	23.0	100	46	79	19.0	1.0	240	3.0		
25	33.5	18.5	26.0	100	40	81	22.5	0.5	VAR	2.5	5.0	
26	30.0	20.0	25.0	100	61	93	23.5	1.0	240	3.0	11.8	
27	29.0	19.0	24.0	100	58	86	21.5	1.0	030	2.5		
28	30.0	15.5	23.0	100	41	80	19.5	0.5	VAR	1.5		
29	31.0	17.0	24.0	100	38	76	19.5	0.5	VAR	2.0		
30	32.0	17.5	25.0	100	42	74	20.0	1.0	330	2.0		
31	30.5	18.5	24.5	100	52	77	20.0	1.5	230	4.0		
AVG	28.8	14.5	21.5				17.0	0.97	SW&VAR	4.0	46.4	(Total)

Monthly Max = 34.0°C
 Monthly Min = 6.0°C
 Peak Gust = 13.5 MPS on 25 July

Table A83. Monthly meteorological summary.

AUGUST 1979

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth (cm)
1	31.0	21.5	26.0	100	46	83	23.0	1.0	270	2.5	1.2	
2	30.5	21.0	26.0	100	54	86	23.5	1.0	230	3.0	5.0	
3	31.0	18.0	24.5	100	41	74	19.5	0.5	VAR	2.0		
4	32.0	16.0	24.0	100	37	76	19.5	calm	calm	1.0		
5	33.0	15.0	24.0	100	32	76	19.5	1.0	240	3.0		
6	24.0	9.5	17.0	100	30	65	10.5	2.0	010	3.5		
7	25.5	7.5	16.5	100	30	67	10.5	1.0	220	2.5		
8	29.0	14.5	22.0	100	33	67	15.5	1.0	320	3.0		
9	22.5	11.0	17.0	100	26	57	8.5	1.5	360	3.5		
10	15.0	10.5	13.0	100	80	99	13.0	0.5	VAR	1.5	32.0	
11	19.5	13.0	16.0	100	51	82	13.0	1.5	040	3.0		
12	12.5	9.5	11.0	100	91	98	10.5	1.5	040	2.5	17.0	
13	19.5	9.5	14.5	100	50	81	11.5	1.5	030	4.0	4.0	
14	22.5	10.0	16.5	100	43	77	12.5	2.0	250	4.0		
15	17.0	9.0	13.0	100	50	77	9.0	1.0	340	2.0		
16	20.5	6.0	13.5	100	33	69	8.0	1.0	020	4.0		
17	20.5	4.5	12.5	100	35	76	8.5	calm	calm	1.5		
18	17.0	6.5	12.0	100	64	91	10.5	0.5	VAR	2.0	0.8	
19	17.5	12.0	15.0	100	98	100	15.0	calm	calm	0.5	3.7	
20	23.0	12.0	17.5	100	57	89	15.5	calm	calm	0.5		
21	26.0	11.5	19.0	100	38	85	16.5	calm	calm	2.0	2.0	
22	26.0	12.0	19.0	100	42	85	16.5	calm	calm	1.0		
23	30.0	11.0	20.5	100	48	89	18.5	1.0	240	2.5		
24	23.0	18.0	20.5	100	84	97	20.0	2.0	240	3.5		
25	29.0	13.5	21.0	100	52	89	19.0	1.5	240	3.0		
26	27.0	12.0	19.5	100	40	81	16.0	calm	calm	1.0		
27	25.0	15.0	20.0	100	88	99	20.0	0.5	VAR	1.5	7.5	
28	26.0	14.0	20.0	100	53	87	18.0	calm	calm	1.0		
29	25.0	17.0	21.0	100	84	98	20.5	0.5	VAR	2.0		
30	30.0	19.0	24.5	100	48	82	21.0	0.5	VAR	3.0		
31	23.0	8.5	16.0	100	30	69	10.5	1.0	030	2.0		
AVG	24.3	11.5	18.9				15.0	0.8	SW&NE	4.0	68.2	(Total)

Monthly Max = 33.0°C
 Monthly Min = 4.5°C
 Peak Gust = 12.0 MPS on 6 August

Table A84. Monthly meteorological summary.

SEPTEMBER 1979

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth (cm)
1	27.0	7.0	17.0	100	48	82	14.0	0.5	VAR	2.0		
2	27.5	14.0	21.0	100	58	87	19.0	1.0	240	3.0		
3	28.0	18.0	23.0	100	47	86	20.5	1.0	250	2.0	1.0	
4	25.0	12.5	19.0	100	45	80	15.5	0.5	VAR	1.5		
5	27.0	12.0	19.5	100	62	89	17.5	0.5	VAR	2.0		
6	21.0	15.5	18.0	100	86	99	18.0	1.0	VAR	4.0	28.30	
7	22.0	13.5	18.0	100	51	84	15.5	1.0	030	3.0		
8	17.0	5.0	11.0	100	50	80	7.5	1.0	030	3.0		
9	17.0	3.5	10.0	100	44	84	7.5	0.5	VAR	1.5		
10	22.5	7.0	15.0	100	48	79	11.5	1.5	240	3.0		
11	17.0	5.0	11.0	100	44	77	7.0	1.0	160	4.0		
12	23.0	5.0	14.0	100	45	84	11.5	0.5	VAR	1.5		
13	25.0	9.0	17.0	100	44	81	13.5	0.5	VAR	2.0		
14	25.0	15.0	20.0	100	90	99	20.0	1.5	240	4.0	11.60	
15	20.0	7.5	14.0	100	43	80	10.5	1.0	VAR	3.0		
16	20.0	7.0	13.5	100	52	86	11.0	0.5	VAR	1.5		
17	24.5	9.0	17.0	100	44	86	14.5	0.5	VAR	2.0		
18	25.0	9.0	17.0	100	45	84	14.5	1.0	240	3.5		
19	14.0	0.0	7.0	100	50	81	4.0	2.0	020	5.0	0.50	
20	16.5	-1.5	7.5	100	35	76	2.5	1.0	VAR	2.5		
21	16.0	3.5	10.0	100	78	97	9.5	1.0	240	3.0	7.70	
22	19.0	5.0	12.0	100	42	85	9.5	1.0	050	3.0	0.50	
23	18.0	3.0	10.5	100	36	80	7.5	0.5	VAR	1.5		
24	19.0	2.0	10.5	100	35	83	8.0	0.5	VAR	2.0		
25	20.5	3.0	12.0	100	39	84	9.5	0.5	VAR	2.5		
26	22.0	6.0	14.0	100	36	80	10.5	1.0	020	3.0		
27	23.0	5.0	14.0	100	45	85	11.5	0.5	VAR	1.5		
28	16.5	6.5	12.0	100	84	98	12.0	calm	calm	0.5	7.50	
29	20.5	12.0	16.0	100	70	95	15.0	0.5	VAR	2.0	3.60	
30	15.0	12.0	13.5	100	94	99	13.5	0.5	VAR	1.0		
AVG	21.7	7.7	14.4			86	12.1	0.8	VAR	5.0	60.80 (Total)	

Monthly Max = 28.0°C
 Monthly Min = -1.5°C
 Peak Gust = 14.0 MPS on 14 September

Table A85. Monthly meteorological summary.

October 1979

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth (cm)
1	16.0	12.0	14.0	100	91	99	14.0	0.5	VAR	1.5	9.0	
2	22.0	12.0	17.0	100	67	94	16.0	0.5	VAR	1.5		
3	17.0	12.0	14.5	100	95	100	14.5	0.5	VAR	2.0	24.7	
4	23.0	12.5	18.0	100	58	91	16.5	0.5	VAR	1.5		
5	19.0	12.0	15.5	100	66	94	14.5	2.0	170	4.0		
6	17.5	6.5	12.0	100	45	75	7.5	3.0	240	5.0		
7	17.0	5.0	11.0	100	48	81	8.0	1.0	2.50	2.5		
8	9.5	-2.0	4.0	100	50	80	1.0	1.5	330	3.0		4.0
9	3.5	-2.0	1.0	100	84	98	0.5	C	CALM	1.5		
10	4.0	-2.0	1.0	100	60	91	-0.5	C	CALM	0.5		
11	8.0	-1.0	3.5	100	65	92	2.5	0.5	VAR	1.5		
12	6.0	2.5	4.0	100	96	100	4.0	0.5	VAR	2.0	8.80	
13	11.0	2.0	6.5	100	40	77	3.0	1.5	240	5.0		
14	9.0	-1.0	4.0	100	50	80	1.0	1.0	350	3.0		
15	7.5	-3.0	2.0	100	60	94	1.0	0.5	VAR	3.0	1.00	
16	10.0	-3.5	3.0	100	42	81	0.0	0.5	VAR	2.0		
17	16.0	-4.0	6.0	100	55	87	4.0	0.5	VAR	1.0		
18	13.0	-1.0	6.0	100	60	89	4.5	0.5	VAR	2.0		
19	10.0	-1.6	4.5	100	64	94	3.5	CALM	CALM	1.0		
20	20.0	8.0	14.0	100	61	89	12.0	1.0	240	2.5		
21	23.0	10.5	16.5	100	60	91	15.0	0.5	VAR	2.0		
22	26.0	12.0	19.5	100	48	87	17.5	0.5	VAR	1.5		
23	24.0	9.5	16.5	100	49	81	13.0	2.0	240	4.0	0.3	
24	17.0	6.0	10.5	100	68	87	8.5	1.0	300	2.5	12.5	
25	7.5	1.0	4.0	99	48	67	-1.5	1.0	300	2.0		
26	3.5	0.0	2.0	100	50	69	-3.0	0.5	VAR	1.5		
27	3.0	-1.0	0.0	100	56	78	-3.5	1.0	030	2.5		
28	2.0	-2.5	-0.5	100	88	99	-0.5	CALM	CALM	1.0	0.5	0.6
29	9.0	2.0	3.5	100	81	95	2.5	0.5	VAR	2.0		
30	7.0	1.0	4.0	100	64	79	0.5	1.0	020	2.0		
31	13.0	-4.0	4.5	100	38	85	2.0	CALM	CALM	1.0		
AVG	13.0	3.0	8.0			87	5.7	0.7	VAR	5.0	56.8 (Total)	

Monthly Max = 28.0°C

Monthly Min = -4.0°C

Peak Gust = 13.5 MPS on 6 October

Table A86. Monthly meteorological summary.

NOVEMBER 1979

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth (cm)
1	14.0	-4.0	5.0	100	48	83	-2.5	1.0	250	2.5		
2	17.0	4.5	11.0	100	70	96	10.5	0.5	VAR	2.5	6.70	
3	10.0	-1.5	4.0	100	82	98	4.0	1.0	030	2.5	18.70	
4	8.5	-2.0	3.0	100	51	90	1.5	0.5	VAR	1.5		
5	10.5	-3.0	4.0	100	41	84	1.5	calm	calm	1.0		
6	9.0	-4.0	2.5	100	52	89	1.0	0.5	VAR	2.0		
7	10.5	1.0	6.0	100	62	93	5.0	calm	calm	0.5		
8	8.5	3.5	6.0	100	56	83	3.5	1.0	230	3.0		
9	11.0	-3.0	4.0	100	47	78	0.5	0.5	VAR	2.5	0.70	
10	16.0	7.0	11.5	100	72	90	10.0	1.0	VAR	1.5	4.80	
11	6.5	-1.0	3.0	100	66	90	1.5	calm	calm	1.0		
12	7.0	-1.5	3.0	100	71	95	2.5	calm	calm	calm		
13	6.0	0.0	3.0	100	63	89	1.5	calm	calm	1.0		
14	5.0	-2.0	1.5	100	69	91	0.0	1.0	020	2.5	1.60	
15	4.5	-4.5	0.0	100	38	65	-5.5	1.0	VAR	2.0		
16	1.5	-8.5	-3.5	100	38	68	-8.5	2.0	020	4.0		
17	5.5	-6.5	-0.5	100	72	81	-3.5	0.5	VAR	2.0		
18	7.5	-2.5	2.5	100	49	80	-0.5	1.0	050	2.5		
19	8.5	-4.0	2.0	100	45	80	-1.0	calm	calm	1.0		
20	11.0	1.0	6.0	100	88	99	6.0	calm	calm	0.5		
21	10.5	1.0	5.5	100	47	84	3.0	0.5	VAR	2.5		
22	8.5	2.0	5.0	100	100	100	5.0	calm	calm	1.0	Trace	
23	17.5	6.0	12.0	100	59	93	10.5	calm	calm	1.5		
24	17.5	5.5	11.5	100	74	97	11.0	calm	calm	1.0	1.30	
25	14.0	10.5	12.0	100	87	98	12.0	1.0	070	2.0	8.20	
26	18.0	8.5	13.0	100	72	97	12.5	2.0	200	4.0	13.70	
27	12.0	-1.5	5.0	100	46	69	0.0	2.0	250	3.0		
28	12.5	-3.0	4.5	100	50	80	1.5	1.0	260	3.0		
29	3.0	-2.5	0.0	90	40	58	-7.0	2.0	290	2.5		
30	3.5	-3.5	0.0	88	43	67	-5.5	2.0	240	3.0		
AVG	9.8	-0.3	4.8			85	2.5	0.7	VAR	4.0	55.90 (Total)	

Monthly Max = 18.0°C

Monthly Min = -8.5°C

Peak Gust = 14.0 MPS on 16 November

Table A87. Monthly meteorological summary.

DECEMBER 1979

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth (cm)
1	3.0	-4.5	-1.0	88	43	67	-6.5	0.5	VAR	2.0		
2	-1.0	-7.5	-4.0	100	51	73	-8.0	2.5	020	4.0		
3	4.5	-11.0	-3.5	100	43	79	-6.5	0.5	VAR	2.0		
4	4.5	-7.5	-1.5	100	49	78	-5.0	1.5	240	3.0		
5	3.5	-8.5	-2.5	100	67	91	-4.0	1.0	240	2.0		
6	11.0	-4.5	3.5	100	48	81	0.5	0.5	VAR	2.0		
7	6.5	-2.5	2.0	100	48	84	-0.5	0.5	VAR	1.5		
8	6.5	-9.0	-1.5	100	34	63	-7.5	3.0	310	6.0		
9	-0.5	-13.5	-7.0	100	39	71	-11.5	2.0	230	5.0		
10	M	M	M	100	38	60	M	2.0	040	5.0		
11	M	M	M	100	43	72	M	0.5	VAR	2.5		
12	14.0	-1.0	6.5	100	58	84	4.0	1.5	240	5.0	3.00	
13	-1.0	-7.5	-4.5	100	64	83	-7.0	2.0	080	5.0	5.40	
14	-6.0	-18.0	-12.0	100	55	86	-14.0	1.5	090	4.0	.30	6.0
15	-2.0	-21.0	-11.5	100	56	83	-14.0	1.0	VAR	3.0		4.0
16	5.5	-7.0	-1.0	100	79	97	-1.5	1.0	250	3.5	.30	3.0
17	3.0	-15.0	-6.0	100	46	65	-11.5	4.0	010	7.5	1.00	
18	-12.0	-21.5	-17.0	100	48	73	-21.0	2.0	040	5.0		
19	-11.0	-23.0	-17.0	100	54	86	-19.0	1.0	VAR	2.0		
20	-4.0	-18.0	-11.0	100	44	82	-13.5	0.5	VAR	2.5		
21	2.5	-11.5	-4.5	100	88	96	-5.0	calm	calm	2.5		
22	4.0	0.5	2.0	100	85	97	1.5	calm	calm	1.0		
23	5.0	2.5	3.5	100	93	98	3.0	calm	calm	1.0	3.40	
24	7.0	3.0	5.0	100	100	100	5.0	0.5	VAR	1.0	9.00	
25	9.0	5.0	7.0	100	100	100	7.0	0.5	VAR	2.0	20.00	
26	5.0	0.5	3.0	100	74	87	1.0	2.0	030	4.0		
27	1.5	-3.0	-1.0	75	64	70	-6.0	3.5	010	5.5		
28	2.5	-4.5	-1.0	69	51	61	-7.5	3.0	010	5.0		
29	7.5	-2.0	3.0	100	29	53	-5.5	2.5	360	4.0		
30	7.5	-0.5	3.5	100	44	78	0.0	4.0	010	5.0		
31	3.5	-9.0	-3.0	100	51	80	-6.0	1.0	090	3.0		
AVG	2.7*	-7.6*	-2.4*			80	-5.5*	1.5	N&VAR	8.0	42.40 (Total)	

Monthly Max = 11.0°C

Monthly Min = -23.0°C

Peak Gust = 14.5 MPS on 8 December

M = Missing

*29 Days data

Table A88. Monthly meteorological summary.

January 1980

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind		Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max	Relly
										Am't (mm)	Snow Depth (cm)
1	-0.5	-12.0	-6.0	100	74	M	M	0.5	VAR	1.0	
2	0.5	-5.5	-2.5	100	67	86	-4.5	1.0	020	4.0	
3	-5.5	-11.0	-8.0	99	50	69	-12.5	2.5	030	4.0	
4	-5.5	-17.0	-11.0	100	48	75	-14.5	1.0	090	2.5	
5	-3.0	-14.0	-8.5	100	34	79	-11.5	2.5	040	4.0	
6	-6.0	-13.0	-12.0	100	44	84	-14.0	0.5	VAR	2.0	
7	3.0	-15.0	-6.0	100	46	85	-8.0	2.5	240	5.0	1.00
8	0.5	-10.5	-5.0	100	46	61	-11.5	1.5	250	2.5	0
9	-3.0	-11.0	-7.0	100	52	87	-9.0	1.0	VAR	2.5	0.80
10	-3.0	-20.0	-11.5	100	47	89	-13.0	0.5	VAR	2.0	0.20
11	13.5	-11.0	2.0	100	92	100	2.0	1.5	240	5.0	6.70
12	13.5	-7.0	3.0	100	33	51	-6.0	4.0	300	5.0	7.20
13	-2.0	-12.5	-7.0	97	30	62	-13.0	0.5	VAR	1.5	0
14	1.5	-4.0	-1.5	100	71	93	-3.5	0.5	VAR	2.0	4.00
15	5.0	-3.0	1.0	100	44	73	-3.0	2.5	050	3.0	
16	2.0	-10.0	-4.0	100	40	73	-8.0	1.0	090	2.5	
17	3.5	-11.0	-4.0	100	52	85	-6.0	1.0	180	2.5	
18	4.0	-1.5	1.5	100	70	93	0.5	Calm	Calm	1.0	
19	4.5	-1.0	2.0	100	58	81	-1.0	0.5	VAR	3.0	
20	1.0	-10.0	-4.5	75	34	50	-13.5	2.0	360	3.0	
21	-4.0	-15.0	-9.5	80	28	52	-17.5	1.5	360	4.0	
22	-4.5	-18.0	-11.0	100	63	94	-12.0	Calm	Calm	1.0	4.00
23	0.5	-9.0	-4.0	100	43	85	-6.0	0.5	VAR	2.0	6.0
24	-9.0	-20.0	-14.5	100	47	60	-20.5	2.5	300	4.0	5.0
25	-6.0	-25.0	-15.5	100	38	78	-18.5	0.5	VAR	2.0	4.0
26	-2.0	-19.0	-10.5	100	47	73	-14.5	1.0	VAR	3.0	2.0
27	-1.5	-13.5	-7.5	100	55	84	-9.5	0.5	VAR	2.0	1.0
28	-1.5	-15.5	-8.5	100	37	86	-10.5	1.0	VAR	3.0	T
29	-4.5	-16.0	-10.0	100	37	81	-13.0	1.0	VAR	3.0	0
30	-10.0	-20.0	-15.0	100	50	70	-19.0	2.5	030	5.0	
31	-11.0	-21.5	-16.0	100	56	79	-19.0	2.0	010	5.0	
AVG	-1.0	-12.8	-6.9			77	-10.3	1.3	VAR	5.0	
										23.90 (Total)	

Monthly Max = 13.5°C
Monthly Min = -25.0°C

Peak Gust = 16.0 MPS on 7 January

Table A89. Monthly meteorological summary.

FEBRUARY 1980

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind		Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max	Relly
										Am't (mm)	Snow Depth (cm)
1	-8.5	-19.0	-14.0	91	62	76	-17.5	4.0	030	7.0	
2	-9.5	-16.0	-13.0	90	61	76	-16.5	3.0	030	4.5	
3	-8.0	-14.5	-11.0	79	61	72	-15.0	3.0	020	4.5	0.5
4	-4.5	-14.0	-9.0	88	60	76	-12.5	2.5	040	4.0	0.5
5	-6.0	-16.0	-11.0	100	59	82	-13.5	1.5	020	4.0	
6	-1.5	-20.0	-10.5	100	48	84	-12.5	Calm	Calm	1.0	
7	-0.5	-13.0	-7.0	100	47	77	-10.5	2.5	070	4.0	
8	-0.5	-15.5	-8.0	100	46	76	-11.5	1.5	030	4.0	
9	0.0	-17.0	-8.5	100	47	79	-11.5	0.5	VAR	2.0	
10	-2.0	-16.0	-9.0	100	42	77	-12.0	1.0	030	4.5	
11	1.5	-16.5	-7.5	100	43	80	-10.5	Calm	Calm	1.5	
12	-0.5	-13.0	-7.0	100	51	83	-9.5	1.0	VAR	2.5	
13	0.0	-15.0	-7.5	100	42	77	-11.0	1.0	350	4.0	
14	0.5	-12.5	-6.0	100	57	85	-8.0	0.5	VAR	2.5	
15	-1.0	-8.5	-4.5	100	42	68	-9.5	1.0	020	3.0	
16	-6.5	-11.5	-9.0	100	74	95	-9.5	1.5	070	3.0	9.30
17	-6.5	-17.5	-12.0	100	40	67	-17.5	1.5	300	4.5	10.0
18	-0.5	-21.5	-11.0	99	37	68	-15.5	1.0	280	3.0	8.0
19	7.0	-19.0	-6.0	100	28	73	-9.0	0.5	VAR	3.0	8.0
20	10.0	-6.5	2.0	100	27	74	-1.5	0.5	VAR	2.0	6.0
21	5.0	-8.0	-1.5	100	43	75	-5.5	2.0	010	3.5	3.0
22	-5.0	-12.5	-9.0	100	49	84	-11.0	1.0	220	3.0	7.00
23	1.5	-6.0	-2.5	100	66	93	-3.5	0.5	VAR	2.5	0.70
24	0.5	-9.0	-4.5	100	66	97	-5.0	0.5	VAR	2.0	6.0
25	5.0	-9.0	-2.0	100	38	65	-7.5	1.5	040	4.0	5.0
26	-5.5	-20.0	-13.0	78	40	59	-24.0	3.0	020	7.0	6.0
27	-7.0	-23.5	-15.0	100	78	95	-15.5	Calm	Calm	1.0	1.00
28	-4.0	-14.0	-9.0	100	36	74	-13.0	1.0	VAR	2.5	8.0
29	-12.0	-24.0	-18.0	100	46	68	-22.5	2.5	360	4.5	8.0
AVG	-2.0	-14.8	-8.4			78	-11.8	1.4	WE&VAR	7.0	
										18.00 (Total)	

Monthly Max = 10.0°C
Monthly Min = -24.0°C
Peak Gust = 14 MPS on 1 and 25 Feb 1980

Table A90. Monthly meteorological summary.

March 1980

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind MPS			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	-7.0	-20.5	-14.0	66	36	51	-22.0	2.5	030	4.5		
2	-6.5	-24.0	-15.0	92	33	60	-21.0	2.0	090	4.0		
3	0.0	-24.0	-12.0	100	32	68	-17.0	1.0	VAR	4.0		
4	5.0	-15.0	-5.0	100	29	68	-10.0	1.0	VAR	4.0		
5	2.0	-7.0	-2.5	100	91	98	-3.0	0.5	VAR	2.0	4.20	
6	3.0	-5.0	-1.0	100	30	52	-9.5	2.0	290	3.5		
7	7.0	-4.0	1.5	100	46	71	-3.0	0.5	VAR	2.5		
8	1.5	-1.0	0.5	100	92	100	0.5	0.5	VAR	1.5	24.00	
9	4.5	-3.0	1.0	100	36	68	-4.0	2.0	340	4.0		
10	7.0	-8.0	-0.5	100	42	67	-6.0	2.0	230	5.0		
11	4.5	-7.5	-1.5	100	45	74	-5.5	2.5	340	4.0	14.90	
12	-4.5	-12.0	-8.0	91	29	49	-17.0	3.5	340	6.5		
13	0.5	-17.5	-8.5	100	30	62	-14.5	2.0	180	4.0		
14	0.5	-5.5	-2.5	100	80	94	-3.5	2.0	340	4.0	7.00	
15	-2.5	-9.5	-6.0	97	40	59	-2.5	4.5	360	6.5	0.50	
16	2.5	-13.0	-5.5	73	18	39	-17.0	2.0	030	5.0		
17	8.0	-6.0	1.0	100	44	71	-3.5	1.0	210	3.0	2.60	
18	8.0	-1.0	3.5	100	40	71	-1.5	2.5	340	5.0	8.00	
19	6.5	-4.5	1.0	98	27	54	-7.0	1.5	020	4.0		
20	14.0	-5.5	4.5	100	27	62	-2.0	1.0	010	2.0		
21	6.5	1.5	4.0	100	52	84	1.5	2.5	300	4.5	1.30	
22	8.5	-2.5	3.0	87	30	57	-4.5	4.0	070	6.0		
23	9.0	-4.0	2.5	100	40	72	-2.0	2.0	050	7.5		
24	12.0	-3.5	4.0	100	36	69	-1.0	1.0	VAR	3.0		
25	5.5	0.5	3.0	100	51	85	0.5	1.0	VAR	3.0	0.60	
26	5.0	0.0	2.5	100	52	79	-0.5	2.0	040	4.5		
27	10.5	-1.0	5.0	100	39	73	0.5	1.0	VAR	3.5		
28	14.5	-3.0	6.0	100	30	68	0.5	0.5	VAR	2.5		
29	8.5	0.5	4.5	100	75	95	4.0	0.5	VAR	2.5	5.20	
30	8.0	-1.0	3.5	100	66	92	2.5	1.0	VAR	3.5	1.50	
31	11.5	-1.5	5.0	100	24	65	-1.0	1.0	180	3.5		
AVG	5.0	-7.0	-1.0			70	-5.4	1.7	VAR	7.5	69.80	

Monthly Max = 14.5°C

Monthly Min = -24°C

Peak Gust = 15.0 MPS on 15 March

(Total)

Table A91. Monthly meteorological summary.

APRIL 1980

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	14.5	-5.0	5.0	100	18	61	-2.0	0.5	VAR	1.5		
2	5.0	-3.5	0.5	100	70	93	0.5	0.5	VAR	1.5	1.20	
3	13.0	-3.0	5.0	100	18	62	-1.5	1.0	VAR	2.0		
4	4.0	-1.0	1.5	100	82	92	0.5	0.5	VAR	1.5	8.00	
5	7.0	-2.0	2.5	100	46	80	-0.5	1.5	360	3.5		
6	10.0	-4.0	3.0	100	16	55	5.0	1.5	030	5.0		
7	15.0	-5.0	5.0	98	30	61	-2.0	3.0	230	5.5		
8	7.0	2.0	4.5	99	82	90	3.0	1.5	230	2.5		
9	11.0	4.5	7.5	100	70	92	6.0	2.0	220	4.0	9.00	
10	13.0	7.0	10.0	100	78	96	9.5	1.5	180	3.5	23.20	
11	13.0	1.0	7.0	100	38	75	4.0	1.5	300	4.0		
12	12.0	-2.0	5.0	100	52	86	3.0	0.5	VAR	1.5	1.20	
13	14.0	1.0	7.5	100	24	57	0.5	2.0	330	4.0		
14	10.0	0.5	5.0	100	47	85	2.5	2.0	220	3.0	1.90	
15	16.0	2.0	9.0	100	35	76	5.0	1.0	270	3.5	4.30	
16	8.0	-1.5	3.5	100	53	73	-1.0	2.0	030	5.0		
17	9.0	-3.5	3.0	84	16	42	-8.5	2.5	020	4.5		
18	10.5	-2.5	4.0	100	39	66	-1.5	0.5	VAR	2.5		
19	17.0	-4.5	6.5	100	13	57	-1.5	0.5	VAR	2.5		
20	21.0	-2.0	9.5	100	28	65	3.0	1.5	270	5.0		
21	15.0	-2.5	6.5	100	24	64	0.0	2.0	030	6.0		
22	7.0	-4.0	1.5	100	34	64	-4.5	2.5	060	5.0		
23	15.0	4.5	10.0	84	48	68	4.5	3.0	060	4.0		
24	17.5	4.5	11.0	100	46	75	7.0	0.5	VAR	3.0		
25	16.0	2.0	9.0	100	44	78	5.5	1.0	VAR	3.0	2.0	
26	12.5	3.5	8.0	100	60	89	6.5	1.0	090	4.0	5.0	
27	17.5	2.0	10.0	100	37	78	6.0	1.5	190	3.0		
28	8.0	6.0	7.0	100	84	93	6.0	2.0	150	4.0		
29	9.0	6.0	7.5	100	95	100	7.5	1.0	110	2.0	2.9	
30	21.5	6.5	14.0	100	47	86	11.5	C	C	1.0		
AVG	12.3	0.2	6.2			75	2.4	1.4	VAR&NW	6.0	58.70	

Monthly Max = 21.5°C

Monthly Min = -5.0°C

Peak Gust = 13.0 MPS on 7 April

(Total)

Table A92. Monthly meteorological summary.

MAY 1980

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind		Max Hrly	Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir		Amt (mm)	Snow Depth
1	24.0	8.0	16.0	100	47	81	12.5	0.5	VAR	1.5		
2	26.0	7.5	17.0	100	25	63	10.0	1.0	VAR	3.0		
3	32.0	2.0	17.0	100	18	50	6.5	1.5	030	4.0		
4	17.5	8.0	13.0	63	24	32	3.5	2.5	020	5.0		
5	16.0	5.0	10.5	98	32	66	4.5	1.5	080	4.0		
6	21.5	3.0	12.0	100	32	70	6.5	2.0	180	5.0	12.70	
7	8.5	5.0	7.0	100	72	88	5.0	1.0	190	3.0	1.50	
8	16.0	4.5	10.0	100	34	73	5.5	0.5	VAR	2.0	1.00	
9	13.5	2.0	8.0	100	36	71	3.0	1.0	270	3.0	1.00	
10	17.0	0.5	9.0	100	28	64	2.5	0.5	VAR	1.0		
11	19.0	2.0	10.5	100	42	82	7.5	1.0	250	4.0	1.20	
12	24.0	8.0	16.0	100	21	59	8.0	0.5	VAR	2.5		
13	15.5	9.0	12.0	100	47	84	9.5	0.5	VAR	1.0	5.00	
14	15.0	3.0	9.0	100	38	71	4.0	1.0	020	3.0		
15	15.0	2.5	8.5	100	34	68	3.0	0.5	VAR	1.5		
16	21.0	0.5	11.0	100	23	59	3.5	1.0	020	3.0		
17	25.0	1.0	13.0	100	15	49	2.5	0.5	VAR	2.0		
18	15.0	10.5	12.5	100	46	86	10.0	1.5	240	3.0	7.10	
19	21.5	8.5	15.0	100	38	78	11.0	1.0	VAR	2.0		
20	25.0	6.0	15.5	100	20	61	8.0	0.5	VAR	2.5		
21	21.0	5.5	13.5	100	38	75	9.0	1.0	270	2.5		
22	28.0	9.0	18.5	100	22	60	10.5	1.5	010	3.0		
23	29.5	9.5	19.5	100	31	66	13.0	0.5	VAR	2.0		
24	26.5	10.5	18.5	100	36	71	13.0	0.5	VAR	1.0		
25	19.5	5.0	12.0	100	20	59	4.0	2.0	030	5.0		
26	15.5	1.5	8.5	100	31	62	1.5	2.0	030	5.0		
27	18.0	4.5	11.5	100	19	52	2.0	2.0	010	5.0		
28	15.5	0.5	8.0	100	28	61	1.0	1.5	030	3.0		
29	22.0	1.5	11.5	100	25	62	4.5	1.0	030	3.0		
30	23.0	3.5	13.0	100	32	66	4.5	1.5	250	3.0		
31	25.0	14.0	19.5	100	54	69	13.5	1.5	260	3.0		
AVG	20.1	5.2	12.6	-	-	66	6.5	1.0	VAR	5.0	30.5	

(Total)

Monthly Max = 32.0°C

Monthly Min = 0.5°C

Peak Gust = 16.0 MPS on 4 May

Table A93. Monthly meteorological summary.

JUNE 1980

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind		Max Hrly	Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir		Amt (mm)	Snow Depth
1	24.5	13.0	19.0	100	43	68	13.0	2.0	280	3.0	2.90	
2	17.5	12.5	15.0	100	77	90	13.5	M	M	M	3.60	
3	20.0	14.0	17.0	100	75	96	16.5	0.5	VAR	2.0	21.60	
4	20.0	9.0	14.5	100	46	78	11.0	3.0	030	5.0	4.50	
5	20.0	7.0	13.5	100	30	70	8.0	2.0	040	5.0		
6	24.0	5.0	14.5	100	28	66	8.5	1.0	270	3.0		
7	18.5	11.0	15.0	100	67	83	12.0	0.5	VAR	2.0		
8	20.0	7.5	14.0	100	53	80	10.5	M	M	M		
9	14.0	3.0	8.5	98	34	53	-0.5	3.0	260	5.0		
10	15.0	3.0	9.0	100	34	69	3.5	2.0	270	4.0		
11	14.0	2.0	8.0	100	42	71	3.0	1.5	270	3.0		
12	19.5	3.0	11.0	100	28	69	5.5	1.0	030	4.0		
13	27.0	3.5	15.0	100	32	65	8.5	1.5	250	3.5		
14	30.0	9.0	19.5	100	26	63	12.5	1.0	VAR	1.5		
15	27.0	11.0	19.0	100	38	73	14.0	1.5	290	3.0	3.50	
16	19.0	7.0	13.0	100	36	69	7.5	2.5	030	5.0	5.50	
17	23.0	5.5	14.0	100	28	65	7.5	0.5	VAR	1.5		
18	25.5	6.0	16.0	100	26	59	8.0	1.0	270	3.0		
19	24.5	10.0	17.0	100	38	67	11.0	1.0	VAR	2.5		
20	14.5	11.0	13.0	100	60	87	11.0	1.0	180	3.5	11.30	
21	18.5	11.0	20.0	100	52	79	16.0	1.5	360	4.5	0.70	
22	27.5	10.0	19.0	100	30	68	13.0	0.5	VAR	1.5		
23	28.0	9.0	18.5	100	30	68	12.5	0.5	VAR	2.0		
24	31.0	14.0	22.5	100	35	72	17.0	1.0	330	3.0	1.00	
25	32.0	13.5	23.0	100	25	69	17.0	0.5	VAR	2.0		
26	30.5	14.0	22.0	100	38	70	17.0	1.5	260	3.5		
27	26.5	14.0	20.0	100	45	65	16.5	2.0	030	5.0		
28	22.5	6.5	14.5	100	26	57	13.0	1.0	030	4.0	1.00	
29	20.0	11.0	15.5	100	49	79	6.0	1.5	240	3.0		
30	19.0	13.5	16.0	100	68	88	12.0	0.5	VAR	1.5		
AVG	22.4	9.0	15.7			72	14.0	1.3	VAR	5.0	55.60	

(Total)

Monthly Max = 32.0°C

Monthly Min = 2.0°C

Peak Gust = 11.0 MPS on 27 June

Table A94. Monthly meteorological summary.

JULY 1980

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	26.0	13.5	20.0	100	32	63	13.0	1.0	240	2.5		
2	23.5	15.0	19.0	100	59	82	15.5	1.0	240	3.0	1.70	
3	27.0	13.5	20.0	100	34	74	14.5	0.5	VAR	2.5		
4	29.0	11.5	20.0	100	24	66	12.5	1.0	020	2.5		
5	27.0	17.0	22.0	100	40	73	18.0	1.0	270	2.5	3.70	
6	21.0	11.0	16.5	100	28	47	6.0	3.0	020	5.5		
7	25.0	7.0	16.0	100	22	60	8.0	1.0	020	4.0		
8	19.0	10.0	14.5	100	68	92	13.5	0.5	VAR	2.0	17.40	
9	24.5	12.0	18.0	100	36	74	13.5	1.5	030	4.0		
10	27.5	11.0	19.5	100	35	72	14.5	1.0	270	3.0		
11	29.0	15.0	22.0	100	41	74	17.0	1.5	250	4.0	2.90	
12	19.0	9.5	14.0	100	46	73	9.0	1.0	010	3.0		
13	25.5	11.0	18.0	100	36	67	12.0	1.5	030	4.0		
14	30.0	11.0	20.5	100	26	73	15.5	0.5	VAR	1.5		
15	29.5	17.0	23.0	97	46	76	18.5	1.0	250	3.0		
16	32.5	21.0	26.5	100	36	65	19.0	1.0	VAR	2.5	11.80	
17	30.5	17.5	24.0	100	39	71	18.5	1.5	270	3.5	1.80	
18	28.5	14.0	21.0	100	29	76	16.5	1.0	020	3.0		
19	28.5	12.5	20.5	100	48	63	13.0	0.5	VAR	2.5		
20	31.0	18.0	24.5	100	34	67	18.0	1.0	270	3.0		
21	32.0	21.0	25.5	100	43	61	17.5	1.0	270	2.5	7.5	
22	27.0	19.0	23.0	100	54	65	16.0	0.5	VAR	2.0	2.60	
23	26.0	15.5	21.0	100	45	86	18.5	1.0	270	2.5		
24	27.0	13.0	20.0	100	32	83	17.0	1.5	030	3.5		
25	28.5	11.0	20.0	100	31	67	13.5	1.0	300	2.5		
26	27.0	14.0	20.5	100	44	65	13.5	0.5	VAR	2.5		
27	31.0	18.5	24.5	100	35	70	18.5	0.5	VAR	2.0		
28	27.5	16.5	22.0	100	36	73	17.0	2.0	220	4.5		
29	23.0	17.0	20.0	98	61	88	18.0	1.0	220	3.0	1.20	
30	28.5	14.0	21.0	100	32	70	15.0	1.5	270	4.0		
31	28.5	14.0	21.0	100	27	66	14.5	1.0	360	3.0		
AVG	27.1	14.2	20.6			71	15.0	1.1	VAR	5.5	50.60	

Monthly Max = 32.5°C

Monthly Min = 7.0°C

Peak Gust = 16.0 on 6 July

(Total)

Table A95. Monthly meteorological summary.

AUGUST 1980

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	29.5	13.5	21.5	100	36	81	19.0	1.0	300	3.5	10.0	
2	29.5	15.0	22.0	100	39	70	16.0	1.5	270	3.0		
3	26.5	18.0	22.0	100	57	84	19.0	1.5	270	2.5		
4	30.5	16.0	23.0	100	30	78	19.0	1.0	VAR	3.0		
5	31.5	13.5	22.5	100	33	72	17.0	1.5	270	2.0	1.00	
6	29.5	19.5	24.5	100	55	85	22.0	1.0	240	2.5		
7	31.0	17.0	24.0	100	26	67	17.5	0.5	VAR	2.0		
8	32.0	16.5	24.0	100	37	73	19.0	1.0	270	2.0		
9	28.5	15.5	22.0	100	31	60	14.0	2.0	300	4.0	3.20	
10	26.5	11.0	18.5	100	29	59	10.5	1.0	360	2.5		
11	17.0	14.5	16.0	100	69	71	11.0	0.5	VAR	1.0	5.70	
12	25.0	15.0	20.0	100	62	77	16.0	1.5	300	3.5		
13	27.0	13.0	20.0	100	38	76	15.5	0.5	VAR	2.0		
14	24.0	13.0	18.5	100	56	83	15.5	0.5	VAR	2.5	4.00	
15	27.5	13.0	20.0	100	36	71	14.5	1.0	360	3.0		
16	19.0	10.0	14.5	100	51	70	9.0	2.0	030	6.0		
17	25.5	9.5	17.5	100	32	67	11.0	1.5	030	5.0		
18	27.0	9.0	18.0	100	34	60	10.5	2.0	240	4.5		
19	19.5	15.5	17.5	100	65	83	15.0	1.0	VAR	2.0	1.60	
20	18.5	13.0	16.0	100	71	85	13.5	0.5	VAR	1.5	.30	
21	22.0	11.0	16.5	100	48	73	11.5	1.0	070	3.0		
22	24.5	11.5	18.0	100	50	75	13.5	1.0	VAR	2.0		
23	29.0	13.5	21.0	100	32	61	13.0	0.5	VAR	2.0		
24	30.0	13.5	22.0	100	33	60	13.5	1.0	030	4.0		
25	28.5	12.0	20.0	100	43	75	15.5	1.0	040	4.0		
26	31.0	16.0	23.5	100	32	69	17.5	0.5	VAR	1.5		
27	28.5	18.5	23.5	100	53	82	20.0	0.5	VAR	1.5		
28	23.5	11.0	17.0	100	46	73	12.0	1.0	060	3.5	2.20	
29	27.5	10.0	19.0	100	40	63	12.0	1.0	VAR	2.5		
30	29.0	16.0	22.5	100	55	80	19.0	1.5	060	3.0	16.70	
31	29.5	19.0	24.0	100	51	75	19.5	2.5	270	4.0	2.00	
AVG	26.7	14.0	20.3			73	15.2	1.1	VAR	6.0	46.70	

Monthly Max = 32.0°C

Monthly Min = 9.0°C

Peak Gust = 14.0 MPS on 16 Aug

(Total)

Table A96. Monthly meteorological summary.

SEPTEMBER 1980

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	30.0	19.0	24.5	100	52	78	20.5	1.5	270	4.0	4.5	
2	30.0	19.0	24.5	100	47	80	20.5	0.5	VAR	3.0	31.50	
3	25.0	13.0	19.0	100	39	63	12.0	1.5	010	3.0		
4	26.0	12.0	19.0	100	34	66	12.5	1.0	240	2.0		
5	22.5	14.5	18.5	100	78	92	17.0	1.0	240	2.5	2.00	
6	26.0	14.0	20.0	100	37	66	13.5	1.0	VAR	2.0		
7	22.0	10.5	16.0	100	32	60	8.5	1.5	030	4.5		
8	20.0	6.0	13.0	100	27	53	3.5	2.0	010	5.0		
9	22.0	5.0	13.5	100	35	59	5.5	1.0	240	2.5		
10	19.5	8.5	14.0	100	32	60	6.5	1.5	360	4.0		
11	23.0	6.0	14.5	100	33	56	6.0	2.5	270	5.5		
12	20.0	8.0	14.0	100	33	60	6.5	1.5	090	3.0		
13	15.5	9.0	12.0	100	74	90	10.5	0.5	VAR	1.5	1.00	
14	23.0	14.0	18.5	100	80	97	18.0	0.5	VAR	1.5	5.00	
15	17.5	7.5	12.5	100	41	79	9.0	2.0	060	5.0		
16	18.5	5.5	12.0	100	40	72	7.0	1.5	200	3.0		
17	18.0	10.0	14.0	100	73	90	12.5	1.0	230	2.5	7.50	
18	23.0	5.5	14.0	100	60	83	11.0	2.0	060	3.5	2.50	
19	20.0	4.0	12.0	100	44	80	8.5	0.5	VAR	1.5		
20	22.0	7.5	15.0	100	60	80	11.5	2.0	250	3.5		
21	27.0	16.5	21.5	100	49	74	17.0	0.5	VAR	1.5		
22	29.5	17.5	23.5	100	43	67	17.0	1.5	270	3.0		
23	24.0	8.0	16.0	100	43	74	11.5	1.5	040	3.5	5.80	
24	17.5	3.0	10.0	100	37	66	4.0	0.5	VAR	1.5		
25	18.0	3.0	10.5	100	40	73	6.0	1.0	180	3.0	13.90	
26	19.0	8.0	13.5	100	47	74	9.0	2.0	270	4.5	11.20	
27	12.0	4.5	8.0	100	44	57	0.0	1.5	330	3.0		
28	18.0	1.5	9.5	100	44	73	5.0	1.5	010	2.5		
29	15.5	-1.5	7.0	100	46	59	-0.5	1.0	270	3.0		
30	22.5	4.5	13.5	100	56	84	11.0	1.0	240	2.5		
AVG	21.6	8.8	15.2			72.2	10.0	1.3	VAR&SW	5.5	94.90	

Monthly Max = 30.0°C

Monthly Min = -1.5°C

Peak Gust = 15.0 MPS on 11 Sep

(Total)

Table A97. Monthly meteorological summary.

OCTOBER 1980

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	24.0	8.5	16.0	100	50	82	13.5	1.0	240	3.0		
2	21.5	7.5	14.5	100	75	90	13.0	1.5	270	5.0		
3	17.5	12.0	14.5	100	71	93	13.5	1.0	090	2.0		
4	17.0	6.5	12.0	100	61	83	9.0	1.5	270	3.5		
5	17.0	6.0	11.5	100	45	80	8.0	0.5	VAR	1.5		
6	15.0	4.0	9.5	100	56	86	7.0	0.5	VAR	2.0		
7	15.0	4.0	9.5	100	54	87	7.5	0.5	VAR	1.0		
8	19.0	3.5	11.0	100	54	76	7.0	1.5	250	3.5		
9	12.0	-1.5	5.0	100	45	64	0.5	1.5	030	4.5		
10	15.0	-2.5	6.0	100	40	77	2.5	0.5	VAR	1.5		
11	11.5	4.5	8.0	100	94	99	8.0	C	C	1.0	7.20	
12	13.0	5.0	9.0	100	88	95	8.5	1.0	260	2.0	0.80	
13	7.0	1.5	4.0	81	51	65	-2.0	1.5	360	4.0		
14	8.0	-3.0	2.5	100	46	66	-3.0	2.5	010	5.5		
15	12.0	-3.5	4.0	100	45	92	3.0	C	C	1.5		
16	11.5	-0.5	5.5	100	69	89	4.0	C	C	1.0	1.10	
17	18.0	7.0	12.5	100	74	90	11.0	1.5	180	4.0		
18	18.5	9.5	13.5	100	100	100	13.5	1.0	270	2.5	7.00	
19	16.0	6.5	11.0	100	45	71	6.0	1.5	270	3.5		
20	11.0	-2.0	4.5	100	48	76	0.5	1.5	270	4.0		
21	9.0	-2.0	3.5	100	70	89	2.0	0.5	VAR	2.5		
22	8.5	-2.0	3.0	100	44	65	-3.0	1.5	020	4.0		
23	6.0	-1.0	2.5	94	54	67	-3.0	2.0	020	5.0		
24	12.0	-4.0	4.0	100	48	52	-5.0	1.0	VAR	2.0		
25	12.0	-2.0	5.0	100	81	95	4.0	2.5	090	6.0	19.10	
26	13.5	5.5	9.5	100	62	77	5.5	3.5	270	6.0	1.20	
27	7.0	2.0	4.5	85	56	71	-2.0	1.5	270	3.5		
28	5.0	2.0	3.5	100	86	91	0.5	1.5	130	3.5		
29	8.5	-2.5	3.0	100	50	71	-2.0	1.0	360	3.0		
30	8.0	-3.0	2.5	100	56	81	-1.5	1.0	VAR	2.5		
31	11.5	0.0	6.0	99	54	79	8.0	1.5	270	4.0		
AVG	12.9	2.1	7.5			81	4.3	1.2	VAR	6.0	36.40	

Monthly Max = 24°C

Monthly Min = -4°C

Peak Gust = 17 MPS on 26 Oct

(Total)

Table A98. Monthly meteorological summary.

NOVEMBER 1980													
Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation		
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt	Snow Depth (cm)	
											(mm)		
1	6.5	1.5	4.0	100	56	76	0.0	1.5	285	4.0	0.2		
2	3.5	-4.5	-0.5	92	54	65	-6.0	2.0	360	6.0			
3	4.5	-8.0	-2.0	100	60	81	-4.0	M	M	M			
4	13.0	5.0	9.0	90	70	75	5.0	2.5	240	7.0	0.2		
5	10.5	-1.5	4.5	93	52	68	-1.0	2.0	360	4.5			
6	5.5	-6.0	-0.5	89	56	68	-5.5	2.0	250	4.0			
7	11.5	4.5	8.0	98	73	87	6.0	1.0	VAR	2.0	2.3		
8	8.5	-5.0	1.5	98	45	80	-1.0	2.0	050	5.0	2.5		
9	2.0	-7.0	-2.5	99	77	92	-3.5	1.0	VAR	3.0	5.6		
10	5.5	-2.0	1.5	100	66	87	-4.0	2.5	030	4.5	0.2		
11	0.5	-1.5	-0.5	76	65	71	-5.0	4.0	030	6.0			
12	2.0	-1.5	0.5	75	66	71	-5.0	7.5	030	6.5			
13	5.5	-2.0	1.5	88	53	88	-0.5	1.5	030	3.0			
14	7.5	1.5	4.5	90	70	82	1.5	2.5	045	5.0			
15	5.0	-3.5	0.5	86	50	66	-5.0	2.0	350	3.5			
16	1.0	-5.0	-2.0	83	52	67	-7.5	2.5	015	6.0			
17	0.5	-7.5	-3.5	100	56	88	-5.0	1.5	060	2.5	0	0	
18	0.0	-3.0	-1.5	100	86	97	-2.0	2.5	075	5.0	5.0	20	
19	0.5	-9.0	-4.0	99	63	77	-7.5	3.0	045	4.5	0		
20	8.0	-8.0	0.0	100	58	88	-1.5	0.5	VAR	0.5	7.3		
21	5.0	-8.5	-1.5	100	70	96	-2.0	1.0	VAR	0.5	0.7		
22	4.0	-6.5	-1.0	100	67	88	-2.5	2.0	025	5.4	2.8		
23	1.0	-6.5	-2.5	100	86	98	-3.0	1.0	VAR	0.5	0		
24	3.5	-2.0	1.0	M	M	M	M	0.5	VAR	0.5	22.5		
25	4.0	+1.0	2.5	M	M	M	M	2.0	360	3.5	2.8		
26	5.5	-2.5	1.5	81	32	57	-6.0	3.0	035	6.0			
27	1.0	-6.5	-2.5	99	34	67	-7.5	1.0	090	2.0	0		
28	6.0	-3.0	1.5	98	64	89	0.0	1.5	240	3.0	21.0		
29	4.5	-0.5	2.0	97	48	73	-2.5	2.5	250	4.0			
30	5.5	-1.5	2.0	98	46	62	-4.5	1.5	280	4.5			
AVG	4.7	-3.3	0.7			79	-2.8	2.1	VAR	7.0	73.1		
Monthly Max = 13.0°C											(Total)		
Monthly Min = -9.0°C													
Peak Gust = 28.0 MPS on 11 Nov													

Table A99. Monthly meteorological summary.

DECEMBER 1980												
Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	10.5	0.0	5.0	98	46	71	0.0	0.5	270	4.5		
2	10.5	-2.0	4.0	99	50	60	-3.0	3.1	180	6.5	5.5	
3	5.5	-9.0	-1.5	97	37	65	-7.5	4.0	220	7.0	6.0	
4	-4.0	-9.5	-6.5	52	32	39	-18.5	5.0	015	10.0		
5	-2.0	-11.5	-6.5	70	40	54	-14.5	2.5	030	5.5		
6	-1.0	-10.0	-5.5	88	44	74	-9.5	2.5	060	5.0		
7	4.5	-9.5	-2.5	99	36	80	-5.5	1.5	VAR	1.5	0.7	
8	10.0	-1.0	4.5	99	71	92	-6.0	1.5	270	3.0	1.5	
9	10.0	-3.0	3.5	100	84	84	1.0	2.5	060	5.5	0.8	
10	1.0	-5.0	-2.0	99	58	80	-5.5	1.5	245	5.0		
11	-5.0	-17.0	-11.0	100	72	91	-12.5	2.5	360	9.0		
12	-4.0	-18.0	-11.0	100	46	68	-16.0	1.5	230	3.5	2.8	
13	3.5	-12.0	-4.0	100	66	94	-5.0	2.0	050	4.5		
14	-3.0	-16.5	-9.5	100	74	94	-10.5	2.0	360	5.0	0.7	
15	-6.5	-22.0	-14.0	100	54	84	-16.0	0.5	VAR	1.0	0.2	
16	-3.0	-8.0	-5.5	100	59	84	-8.0	1.0	VAR	2.5	4.5	
17	-6.5	-20.5	-13.5	100	100	100	-13.5	1.5	060	4.5	0.5	4.25
18	-4.5	-20.0	-12.0	100	63	88	-13.5	1.0	VAR	1.5	0.1	
19	-0.5	-22.0	-11.0	98	36	69	-15.5	2.0	360	5.5	2.0	
20	-10.0	-27.0	-18.5	99	38	68	-23.0	1.0	VAR	1.5		
21	-6.0	-29.0	-17.5	100	48	87	-19.0	1.5	360	4.0		
22	-9.5	-23.5	-16.5	99	43	71	-20.5	1.0	VAR	1.5		
23	-2.5	-13.5	-8.0	100	88	90	-9.5	1.0	VAR	0.5		
24	-2.0	-15.5	-8.5	100	70	98	-9.0	2.0	030	8.0	2.2	
25	-14.5	-31.0	-22.5	M	M	M	M	4.0	015	8.0		
26	-15.0	-31.5	-23.0	M	M	M	M	1.0	070	4.0		
27	-2.0	-18.5	-10.0	100	62	96	-10.5	3.0	090	2.5		
28	-1.0	-20.0	-10.5	100	96	98	-11.0	1.0	VAR	1.5		
29	2.5	-1.0	0.5	100	99	99	0.5	1.5	080	1.5		
30	0.0	-16.0	-8.0	99	70	82	-10.5	4.0	030	7.5		
31	4.5	-19.5	-12.0	94	46	66	-17.0	2.0	090	4.5		
AVG:	-1.6	-14.9	-8.2			80	-10.6	2.0	VAR	10.0	27.5	4.25
Monthly Max =	10.5°C											
Monthly Min =	-31.5°C											
Peak Gust =	35 MPS on 4 December											
												(Total)

Table A100. Monthly meteorological summary.

January 1981

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	-9.0	-20.5	-14.5	94	47	74	-18.0	C	C	1.5	1.5	
2	-3.0	-18.0	-10.5	96	31	67	-14.5	2.0		5.5		
3	6.0*	-15.0*	-4.5*	M	M	M	-17.0*	1.5	060	2.5		
4	-5.0*	-25.0*	-15.0*	M	M	M	-15.5*	2.0	045	6.5		
5	-10.5	-29.5	-20.0	100	59	87	-21.5	1.0	090	3.0		
6	-4.0	-21.5	-12.5	97	66	85	-14.5	0.5	VAR	3.5		
7	-0.5	-14.5	-7.5	98	55	88	-9.0	2.0	295	5.5		
8	-12.0	-25.0	-18.5	98	54	68	-23.0	1.5	260	4.5		
9	-9.0	-27.0	-18.0	99	58	90	-19.5	C	C	1.5		
10	-8.5	-20.5	-14.5	99	70	87	-16.0	2.0	045	5.5		
11	-16.0	-27.0	-21.5	100	56	74	-25.0	1.5	290	5.5		
12	-13.5	-31.5	-22.5	100	57	80	-24.0	0.5	VAR	3.0		
13	-11.0	-32.0	-21.5	100	47	83	-23.5	0.5	VAR	4.5		
14	-11.5	-29.0	-20.0	100	58	86	-22.0	0.5	VAR	1.5		
15	-8.0	-22.5	-15.0	99	58	89	-16.5	1.5	070	2.5		
16	-8.5	-21.0	-14.5	99	86	92	-15.0	1.0	065	2.5		
17	-8.0	-23.0	-15.5	99	53	73	-19.5	2.0	025	4.5	4.5	10
18	-5.5	-27.0	-16.0	82	46	66	-21.0	C	C	3.0		
19	5.5	-12.0	-3.0	86	42	67	-8.5	1.0	255	3.5		
20	2.5	-18.5	-8.0	69	35	49	-17.0	3.0	030	5.5		
21	-5.0	-25.0	-15.0	80	36	64	-20.5	0.5	VAR	2.5		
22	2.5	-14.0	-5.5	84	37	77	-9.0	0.5	VAR	2.0		
23	2.0	-7.0	-2.5	89	48	67	-8.0	1.0	VAR	4.0		
24	-0.0	-13.0	-6.5	89	44	68	-11.5	1.0	040	4.5	1.0	
25	1.5	-20.0	-9.0	85	40	68	-14.0	C	C	1.5		
26	5.5	-7.0	-0.5	89	54	76	-4.5	1.0	270	4.5		
27	5.0	-2.0	1.5	80	48	55	-6.5	2.0	260	4.0		
28	1.0	-10.0	-4.5	72	30	49	-13.5	2.0	305	4.0		
29	-6.5	-18.5	-12.5	84	52	66	-17.5	2.5	070	6.0	5.2	
30	-9.0	-21.5	-15.0	86	34	57	-21.5	3.0	030	6.0		
31	-5.0	-27.0	-16.0	88	40	67	-21.0	1.5	080	5.0		
AVG	-4.4	-20.2	-12.3			73	-16.4	1.3	VAR	6.5	12.2 (Total)	

Monthly Max = 6°C

Monthly Min = -32.0°C

Peak Gust = 28 MPS on 7 Jan

* Data from another collecting source.

Table A101. Monthly meteorological summary.

February 1981

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	2.5	-23.0	-10.0	91	32	66	-15.0	2.0	250	6.0	4.0	
2	11.0	-9.0	1.0	98	48	83	-1.5	3.5	260	6.5	23.3	
3	-7.0	-15.0	-8.5	87	40	72	-12.5	2.5	270	6.0		
4	-10.0	-18.0	-14.0	76	40	59	-20.5	2.5	270	4.0		
5	-9.0	-19.0	-14.0	81	28	59	-20.5	1.0	VAR	4.0		
6	-3.0	-19.0	-11.0	84	39	69	-15.5	1.5	250	6.5		
7	2.0	-13.0	-5.5	82	38	60	-12.0	1.0	VAR	3.5		
8	3.0	-4.0	-0.5	88	64	75	-4.5	0.5	VAR	0.5	15.2	16
9	-0.5	-13.0	-6.5	86	40	53	-14.5	2.5	250	5.0		
10	1.0	-20.5	-9.5	80	44	59	-16.0	2.0	210	6.0		
11	14.5	-1.0	6.5	83	46	74	-2.0	3.5	240	9.5	29.0	
12	2.0	-16.0	-7.0	78	31	60	-18.5	3.0	310	9.0	1.0	
13	-3.0	-18.5	-7.5	79	29	56	-15.0	1.0	VAR	3.0		
14	1.5	-15.0	-6.5	79	28	53	-14.5	0.5	VAR	3.0		
15	2.5	-9.0	-3.0	75	36	54	-11.0	1.0	255	3.5		
16	10.0	-6.5	1.5	84	50	66	-4.0	1.5	260	4.5		
17	12.0	-1.0	5.5	100	60	83	3.0	1.5	260	5.0		
18	15.5	-2.5	6.5	100	56	87	4.5	0.5	VAR	5.0		
19	12.5	-1.5	5.5	100	76	93	4.5	0.5	VAR	2.5		
20	13.5	6.5	10.0	100	82	97	9.5	2.0	170	7.0	11.3	
21	11.5	7.5	9.5	100	88	96	9.0	1.0	150	3.0		
22	9.0	4.0	6.5	100	92	97	6.0	2.0	180	4.0		
23	11.0	0.0	5.5	100	64	93	4.5	1.5	200	5.5		
24	7.0	2.0	4.5	100	88	97	4.0	1.0	VAR	2.5	36.0	
25	2.0	-0.5	0.5	100	93	99	0.5	0.5	VAR	6.5	53.1	12
26	2.0	0.0	1.0	100	76	93	0.0	3.0	040	5.5	4.6	
27	2.0	-7.5	-2.5	99	62	76	-6.0	4.0	030	7.5		
28	1.0	-8.5	-3.5	99	72	89	-3.0	1.0	VAR	3.0	0.1	
AVG	4.2	-7.9	-1.8			75	-5.7	1.7	SSW	9.5	177.6 (Total)	

Monthly Max = 15.5°C

Monthly Min = -23°C

Peak Gust = 15 MPS on 12 Feb

Table A102. Monthly meteorological summary.

March 1981												
Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	4.5	-0.5	2.0	99	61	80						
2	4.5	-1.5	1.5	100	58	75	-1.0					
3	-1.5	-11.5	-6.5	95	53	64	-2.5	1.5	360	5.0		13.0
4	1.0	-14.5	-6.5	98	46	72	-12.0	1.5	270	4.5		
5	2.0	-14.0	-6.0	98	48	76	-10.5	3.0	020	5.0		
6	2.5	-9.5	-3.5	98	72	83	-9.5	1.0	350	2.5		
7	3.5	-1.0	1.0	98	76	94	-6.0	1.5	090	3.5		
8	4.0	-0.5	1.5	98	76	88	0.0	1.0	030	3.5	0.1	
9	4.0	-1.0	1.5	100	76	87	-0.5	0.5	060	3.5	0.4	6.0
10	4.0	-2.0	1.0	98	71	87	-0.5	1.5	030	4.0		
11	2.5	-6.5	-2.0	98	55	73	-4.5	0.5	VAR	1.0		
12	1.5	-9.0	-3.5	98	72	90	-3.5	1.5	360	4.0		
13	7.5	-3.5	2.0	98	53	72	-7.5	1.0	220	2.5		
14	-1.0	-8.0	-4.5	98	54	80	-1.0	1.0	270	3.5		
15	8.5	-9.5	-0.5	72	44	55	-12.0	1.5	270	5.0	0.5	
16	4.0	-9.5	-2.5	95	44	71	-5.0	3.5	010	5.5		
17	-0.5	-11.5	-6.0	98	50	67	-14.5	1.5	270	4.5		
18	-1.0	-11.5	-6.0	72	43	54	-14.0	3.5	030	5.5		
19	0.5	-14.5	-7.0	89	41	56	-13.5	3.5	010	5.5		
20	1.0	-7.0	-3.0	98	46	70	-11.5	2.5	300	4.5		
21	5.0	-2.0	1.5	98	56	85	-5.0	1.0	030	3.5		
22	6.0	-4.5	0.5	98	61	75	-2.5	0.5	VAR	3.0		
23	10.5	-6.5	2.0	100	55	76	-3.5	1.5	030	5.0	0.7	
24	9.0	-3.0	3.0	100	46	77	-1.5	1.0	330	2.5		
25	8.0	-3.0	2.5	99	58	88	-0.5	0.5	VAR	1.5		
26	12.5	-5.0	3.5	98	56	80	-0.5	1.0	090	2.5	0.8	
27	7.5	-3.0	2.0	98	40	75	-0.5	0.5	VAR	2.0		
28	12.5	-5.5	3.5	98	68	88	0.5	1.0	270	3.0		
29	26.0	2.5	14.0	98	31	62	-3.0	1.0	010	3.5	7.1	
30	20.0	4.0	12.0	87	39	59	6.0	0.5	VAR	2.0		
31	15.5	5.0	10.0	100	60	86	9.5	1.5	270	5.0		
				98	74	83	7.5	1.5	240	4.5	2.5	
								2.0	060	4.0		
AVG	5.9	5.4	0.3			76	-3.9	1.4	VAR	5.5	12.1	
Monthly Max = 26°C											(Total)	
Monthly Min = -14.5°C												
Peak Gunt = 17.5 MPS on 14 Mar												

Table A103. Monthly meteorological summary.

April 1981													
Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation		
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth	
1	16.5	3.8	10.0	100	62	84	7.5	2.5	200	5.0	6.6		
2	10.0	-3.0	3.5	100	60	85	1.5	2.5	010	5.5	1.5		
3	26.0	-4.5	10.5	100	41	68	5.0	2.0	250	5.0			
4	21.5	11.0	16.5	100	53	78	12.5	2.0	250	4.5			
5	14.5	8.0	11.0	100	78	98	10.5	2.0	250	3.5	6.6		
6	8.0	-3.0	2.5	100	58	71	-2.0	2.0	330	4.0			
7	15.5	-1.5	7.0	99	31	52	-2.0	2.0	330	5.5			
8	24.0	-4.5	10.0	100	38	63	3.5	1.5	240	3.5			
9	20.0	7.0	13.5	100	68	84	11.0	2.5	260	4.0	0.8		
10	18.5	-1.0	9.0	100	34	61	2.0	2.0	360	5.0			
11	14.0	1.0	17.5	100	66	87	15.5	0.5	VAR	2.5	0.5		
12	11.0	-2.0	4.5	100	46	72	0.0	2.5	070	4.5			
13	15.0	-6.0	4.0	100	36	70	-1.0	2.0	210	4.0			
14	10.0	-1.5	4.0	100	62	82	1.0	2.5	270	5.0	9.1		
15	3.0	-6.5	-1.5	76	44	60	-3.0	4.0	010	6.0			
16	16.5	-8.0	4.0	100	46	78	0.5	1.5	270	4.0			
17	12.0	-4.0	4.0	100	66	93	3.0	0.5	VAR	2.5	1.8		
18	20.5	4.5	12.5	100	58	86	10.0	2.0	020	4.5	5.8		
19	14.0	-0.5	6.5	99	34	68	1.0	2.5	020	4.5			
20	8.0	-1.5	3.0	100	54	80	0.0	2.5	020	4.5			
21	2.0	-6.5	-2.0	98	46	70	-6.5	3.5	010	5.5			
22	10.5	-7.0	1.5	96	32	62	-5.0	2.0	360	4.5			
23	10.5	-6.0	2.0	100	46	80	-1.0	0.5	VAR	2.0	7.4		
24	10.0	3.5	6.5	100	94	98	6.0	1.0	160	3.0	4.3		
25	6.5	4.5	5.5	100	86	94	4.5	1.0	360	2.5	2.5		
26	17.0	3.0	10.0	100	54	78	6.5	1.5	350	4.0			
27	18.5	-0.5	9.0	100	48	72	4.0	1.5	360	4.0			
28	19.0	2.0	10.5	100	53	82	7.5	0.5	VAR	1.5	0.3		
29	22.5	9.0	15.5	100	60	88	13.5	2.0	270	4.0	4.8		
30	18.5	7.5	13.0	100	47	78	9.0	1.5	330	3.5			
AVG	14.4	-0.1	7.2			77	3.8	1.9	N	4.0	52.0		
											(Total)		
Monthly Max = 26°C													
Monthly Min = -8°C													
Peak Gust = 19 MPS on 2 Apr													

Table A104. Monthly meteorological summary.

May 1981

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind		Precipitation Amt (mm)	Snow Depth
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir		
1	17.0	6.0	11.5	100	60	85	9.0	1.5	060	3.5	
2	14.0	2.0	8.0	100	69	91	6.5	1.5	040	3.0	
3	21.0	-1.0	10.0	100	43	78	6.5	1.5	060	4.0	
4	26.0	0.0	13.0	100	39	74	8.5	2.0	090	4.0	
5	22.5	9.0	15.5	100	65	86	13.0	2.0	180	4.0	
6	22.0	3.0	12.5	100	71	91	11.0	1.5	010	4.5	
7	13.0	-0.5	6.5	100	48	70	1.5	3.0	030	5.0	
8	22.5	-3.5	9.5	100	55	75	5.5	1.0	240	3.5	
9	20.5	1.5	11.0	100	43	75	7.0	2.0	240	5.0	
10	24.5	2.0	13.5	100	61	81	8.5	2.0	240	5.0	
11	20.0	14.0	17.0	100	86	94	16.0	2.0	200	4.5	3.70
12	20.0	17.0	18.5	100	92	100	18.5	2.0	220	4.5	47.30
13	17.5	5.0	11.0	100	58	80	9.0	2.0	270	4.0	1.00
14	23.0	2.5	13.0	100	48	71	8.0	2.0	250	4.5	
15	25.0	7.5	16.0	100	74	92	14.5	1.0	200	4.5	9.10
16	22.0	10.0	16.0	100	78	90	14.5	2.0	240	4.0	5.90
17	13.0	-1.0	6.0	100	54	75	2.0	3.0	030	6.0	
18	13.0	-3.0	5.0	100	48	71	0.0	1.5	010	4.5	
19	19.0	-2.5	8.0	100	41	69	3.0	1.5	360	3.5	
20	22.5	-1.0	11.0	100	40	70	6.0	1.0	010	3.5	
21	26.5	1.5	14.0	100	43	72	9.0	0.5	VAR	2.5	
22	23.5	7.0	15.0	100	60	81	12.0	1.0	110	3.5	
23	22.5	4.0	13.5	100	48	70	8.0	2.0	050	6.0	
24	29.0	1.0	15.0	100	44	70	9.5	1.5	010	4.5	
25	31.0	8.5	20.0	100	48	76	15.5	1.0	270	3.5	
26	29.5	14.5	22.0	100	56	81	18.5	1.0	270	3.5	
27	31.0	14.0	22.5	100	63	86	20.0	1.0	060	2.5	
28	27.0	17.0	22.0	100	74	91	20.5	1.0	240	3.5	
29	23.0	15.0	19.0	100	92	98	19.0	0.5	VAR	2.5	
30	29.0	18.5	23.5	100	74	90	21.5	1.0	260	4.0	3.00
31	22.5	7.5	15.0	100	65	85	12.5	1.5	020	5.0	16.00
AVG	22.3	5.7	14.0			81	10.8	1.5	WSW	6.0	86.00

(Total)

Monthly Max = 31°C
 Monthly Min = 3.5°C
 Peak Gust = 13 MPS on 23 May

Table A105. Monthly meteorological summary.

June 1981

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind		Precipitation Amt (mm)	Snow Depth
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir		
1	24.5	5.5	15.0	100	52	82	12.0	0.5	VAR	3.0	
2	23.5	5.5	14.5	100	66	88	12.5	1.0	240	5.0	
3	19.0	9.0	14.0	100	88	98	13.5	1.0	250	4.0	.25
4	27.5	15.5	21.5	100	80	91	20.0	0.5	VAR	5.0	10.90
5	31.5	14.5	23.0	100	57	57	14.0	0.5	VAR	1.5	
6	28.5	14.0	21.5	100	66	93	20.5	1.0	240	4.5	9.40
7	21.0	7.5	14.0	100	58	81	11.0	2.0	360	6.0	7.60
8	27.0	4.0	15.5	100	54	82	12.5	1.0	270	4.0	7.10
9	25.0	14.5	20.0	98	66	88	18.0	1.5	300	4.0	5.60
10	25.5	8.5	17.0	99	58	90	15.5	1.0	360	4.5	6.60
11	25.0	11.5	18.5	99	57	86	16.0	1.5	360	5.0	
12	27.0	11.5	19.5	99	56	84	16.5	1.0	270	3.0	3.30
13	28.0	12.5	20.5	99	54	88	18.5	0.5	VAR	2.5	
14	23.5	13.0	18.5	100	76	92	17.0	1.5	240	4.0	
15	30.5	16.5	23.5	100	78	95	22.5	1.5	240	3.5	
16	36.0	21.0	28.5	98	72	91	27.0	1.5	260	4.0	
17	27.0	13.0	20.0	98	58	84	17.0	2.0	360	4.0	
18	30.0	11.0	20.5	98	56	82	17.5	1.0	240	3.5	
19	32.0	13.5	23.0	99	58	85	20.5	1.5	250	4.0	
20	22.0	19.0	20.5	99	90	97	20.0	0.5	VAR	2.0	9.40
21	27.0	15.5	21.5	99	64	91	20.0	0.5	VAR	2.0	
22	24.0	14.5	19.5	99	98	99	19.5	2.0	240	5.0	7.90
23	24.5	8.5	16.5	98	56	86	14.0	2.0	360	3.5	.25
24	25.0	6.0	15.5	98	51	84	13.0	1.0	270	3.0	
25	25.0	12.0	18.5	99	80	90	17.0	0.5	VAR	2.0	21.60
26	18.5	13.0	16.0	99	76	90	14.5	2.0	250	5.0	.25
27	26.0	9.0	17.5	99	52	80	14.0	1.5	360	4.5	
28	32.0	8.5	20.5	99	47	82	17.5	0.5	VAR	1.5	
29	31.5	9.5	20.5	100	47	76	16.0	0.5	VAR	3.0	
30	31.0	12.0	21.5	100	45	78	17.5	1.5	210	4.0	
AVG	26.6	11.3	19.0			86	16.8	1.1	VAR	6.0	90.15

(Total)

Monthly Max = 36°C
 Monthly Min = 6°C
 Peak Gust = 12 MPS on 4 June

Table A106. Monthly meteorological summary.

July 1981											
Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind		Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Amt (mm)	Snow Depth
1	28.0	15.0	21.5	100	44	72	16.0	1.5	210	4.0	
2	28.0	17.5	23.0	100	61	80	19.5	2.0	180	4.5	
3	26.0	19.0	22.5	100	71	85	20.0	1.5	220	3.5	
4	24.5	19.0	22.0	100	82	91	20.5	1.5	250	2.5	4.8
5	22.5	18.5	20.5	100	90	95	19.5	1.0	090	3.0	12.7
6	30.5	18.5	24.5	100	56	78	20.5	1.0	040	4.5	.5
7	29.0	15.5	22.0	100	44	72	16.5	1.5	030	4.0	
8	34.0	15.0	24.5	100	40	70	18.5	1.5	270	3.5	
9	28.5	19.5	24.0	100	56	78	20.0	1.5	030	4.0	7.1
10	30.0	15.5	23.0	100	39	69	17.0	1.5	010	3.5	
11	30.5	14.0	22.0	100	37	68	16.0	1.0	030	3.0	
12	30.5	13.5	22.0	100	38	69	16.0	1.0	230	4.0	
13	27.5	16.0	22.0	100	66	83	19.0	1.0	030	3.5	9.9
14	19.0	13.0	16.0	100	69	89	14.0	1.5	360	4.5	0.5
15	26.0	11.5	19.0	100	41	70	13.5	2.0	020	4.0	0.5
16	28.0	10.0	19.0	100	36	68	13.0	1.5	030	2.5	
17	29.5	12.0	21.0	100	40	70	15.5	1.0	250	2.5	
18	25.5	13.5	19.5	100	62	81	16.0	0.5	060	2.0	0.3
19	30.5	16.0	23.0	100	50	75	18.5	0.5	180	3.0	13.7
20	21.5	18.5	20.0	100	95	96	19.5	1.5	200	4.5	10.0
21	28.0	18.0	23.0	100	70	86	20.5	1.0	360	4.0	
22	23.0	10.5	16.5	100	46	74	12.0	2.0	030	3.0	
23	23.5	8.5	16.0	100	42	70	10.5	1.0	030	3.0	
24	26.0	8.0	17.0	100	40	69	11.5	1.0	220	3.5	
25	27.0	10.0	18.5	100	46	72	13.5	1.0	230	4.0	
26	27.0	14.5	21.0	100	68	85	18.5	1.5	250	5.0	5.5
27	23.0	11.0	17.0	100	43	72	12.0	2.5	030	1.5	
28	23.5	10.0	16.5	100	42	71	11.0	1.0	360	2.0	20.5
29	16.0	13.0	14.5	100	91	95	13.5	1.0	210	5.0	12.6
30	24.0	11.0	17.5	100	50	75	13.0	1.5	060	3.5	
31	29.5	9.5	19.5	100	41	70	14.0	0.5	240	2.0	0.7
AVG	26.4	14.0	20.0			77	16.0	1.5	WNE	5.0	99.3 (Total)

Monthly Max = 34°C
Monthly Min = 8°C
Peak Gust = 19 MPS on 13 Jul

Table A107. Monthly meteorological summary.

August 1981											
Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind		Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Amt (mm)	Snow Depth
1	29.5	12.5	21.0	100	43	81	17.5	0.5	VAR	2.0	
2	29.0	14.5	21.5	100	50	84	18.5	1.0	270	3.5	
3	29.5	15.0	22.0	100	60	88	20.0	0.5	VAR	3.0	
4	30.0	17.0	23.5	100	57	88	21.5	0.5	VAR	1.5	
5	26.0	17.5	21.5	100	72	97	21.0	1.0	030	3.5	17.8
6	21.0	14.0	17.5	100	72	87	15.0	2.0	030	3.5	
7	21.0	13.0	17.0	100	64	85	14.5	1.5	050	3.0	
8	23.0	12.5	18.0	100	76	90	16.0	1.5	240	2.5	
9	28.0	17.5	23.0	100	64	91	21.5	1.0	270	2.0	5.0
10	29.0	16.5	23.0	100	50	81	19.5	0.5	VAR	1.5	
11	30.0	16.0	23.0	100	52	82	19.5	1.5	240	4.0	16.9
12	27.0	15.0	21.0	100	46	80	17.5	1.0	270	2.0	
13	24.0	12.0	18.0	100	64	92	16.5	1.0	VAR	2.5	
14	26.0	8.5	17.0	100	40	79	13.5	1.0	060	2.5	
15	20.5	12.0	16.0	100	92	98	15.5	0.5	VAR	1.5	26.8
16	24.5	12.0	18.0	100	68	93	17.0	1.5	040	3.5	7.2
17	15.5	12.0	14.0	100	70	79	10.5	2.0	010	4.0	
18	24.0	7.5	16.0	100	38	72	11.0	1.0	030	4.0	
19	26.0	8.0	17.0	100	37	76	12.5	0.5	VAR	1.0	
20	26.0	12.0	19.0	100	45	81	15.5	0.5	VAR	1.5	
21	28.5	11.5	20.0	100	44	80	16.5	0.5	VAR	1.5	
22	26.0	13.5	20.0	100	54	88	18.0	0.5	VAR	1.0	
23	28.0	16.0	22.0	100	44	77	18.0	1.0	270	2.5	1.9
24	22.5	12.5	17.5	100	72	94	16.5	1.0	060	3.0	
25	21.5	12.5	17.0	100	31	85	14.5	1.0	240	2.5	
26	25.0	12.0	18.5	100	62	92	14.0	1.0	250	2.0	
27	22.0	12.0	17.0	100	42	82	15.0	0.5	VAR	1.5	
28	26.5	12.0	18.5	100	60	86	15.0	1.0	090	2.0	
29	24.0	11.5	17.5	100	80	93	18.0	1.5	250	3.5	
30	22.0	16.5	19.0	100	62	80	16.5	1.5	210	3.0	
31	23.0	17.0	20.0	100	62	80	16.5	1.5	210	3.0	
AVG	25.2	13.3	18.0			85	16.5	1.0	SW	4.0	75.6 (Total)

Monthly Max = 30°C
Monthly Min = 7.5°C
Peak Gust = 15 MPS on 11 Aug

Table A108. Monthly meteorological summary.

September 1981

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	21.5	16.0	19.0	100	76	88	17.0	1.5	210	4.5		
2	24.0	16.5	20.0	99	62	81	16.5	2.0	210	3.5	0	
3	21.5	15.0	18.0	100	57	79	14.5	1.0	VAR	2.5	7	
4	25.0	13.5	19.0	100	56	78	15.0	1.5	160	3.0		
5	27.5	13.0	20.0	100	51	76	15.5	0.5	VAR	1.5		
6	28.0	14.5	21.0	100	47	74	16.0	1.0	060	2.0		
7	26.0	15.0	20.5	100	62	81	17.0	1.5	260	4.5		
8	24.0	15.5	19.0	100	67	84	12.5	2.0	240	4.5	13.0	
9	25.5	6.0	16.0	100	34	67	10.0	2.0	360	4.0	12.0	
10	21.0	4.0	12.5	100	47	72	8.0	1.5	240	3.5	11.0	
11	20.0	12.0	16.0	100	64	82	13.0	0.5	VAR	1.5		
12	26.0	11.5	19.0	106	67	84	16.0	1.0	240	2.5		
13	27.0	10.5	19.0	100	48	74	14.0	1.0	300	3.5		
14	27.0	12.0	19.5	100	66	83	16.5	1.0	270	2.5		
15	21.0	12.0	16.5	100	50	75	12.0	1.0	090	2.5		
16	19.0	11.0	15.0	100	61	81	12.0	0.5	VAR	2.5	1.7	
17	20.0	11.0	15.5	100	59	80	12.0	0.5	VAR	1.0	0.5	
18	20.5	10.0	15.0	100	62	81	12.0	1.0	260	3.0		
19	14.0	10.0	12.0	100	88	94	11.0	0.5	VAR	1.0		
20	18.0	8.0	13.0	100	44	72	8.0	1.5	270	3.5	11.0	
21	17.0	4.0	10.5	100	41	71	5.5	1.0	310	2.5		
22	10.5	8.5	9.5	100	96	98	9.0	1.0	070	2.0		
23	11.0	9.0	10.0	100	90	95	9.0	1.5	070	3.5	15.7	
24	11.5	8.5	10.0	100	79	90	8.5	2.0	030	3.5	3.3	
25	19.5	6.0	13.0	100	41	71	3.0	1.5	030	4.0		
26	20.0	6.0	13.0	100	49	75	3.5	0.5	VAR	2.5		
27	24.0	11.0	17.5	100	64	82	14.5	1.0	270	2.5	26.6	
28	15.0	4.5	10.0	100	47	74	5.5	1.0	300	3.0	1.0	
29	12.0	2.5	7.0	94	34	64	.5	2.0	360	4.0		
30	11.0	1.0	6.0	100	38	69	.5	2.0	020	4.5		
AVG	20.2	9.9	15.0	100		79	11.0	1.0	VAR	4.5	151.8 (Total)	

Monthly Max = 28°C

Monthly Min = 1°C

Peak Gust = 13 MPS on 30 Sep

Table A109. Monthly meteorological summary.

October 1981

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	8.5	-0.5	4.0	100	56	78	0.5	1.0	270	1.5	2.9	
2	15.0	5.0	10.0	100	58	79	6.5	0.5	VAR	4.0	8.1	
3	10.0	5.5	8.0	100	68	85	5.5	1.5	360	3.0	5.6	
4	15.0	3.5	9.0	100	49	75	5.0	1.0	270	2.5		
5	15.0	3.5	9.0	100	55	76	5.0	0.5	VAR	1.0		
6	10.0	3.0	6.5	100	88	93	5.5	0.5	VAR	2.0	7.0	
7	10.5	5.5	8.0	100	62	83	5.5	1.0	270	4.0	0.6	
8	10.5	5.5	8.0	100	66	86	5.5	2.0	030	4.0	0.4	
9	9.0	3.0	6.0	100	58	81	3.0	2.5	010	4.5		
10	11.0	-0.5	5.0	100	42	73	0.5	1.0	VAR	4.0		
11	10.0	-1.5	5.5	100	50	69	0.5	1.0	090	3.5		
12	13.5	-3.0	5.0	100	40	72	0.5	0.5	VAR	1.5		
13	16.5	-2.0	7.0	100	37	67	1.5	0.5	VAR	1.0		
14	20.0	0.0	10.0	100	24	66	4.0	0.5	VAR	1.0		
15	17.0	-1.0	8.0	100	40	72	3.5		C	1.0	0.3	
16	15.0	3.0	9.0	100	62	84	6.5	1.5	360	4.5		
17	15.0	0.0	7.5	100	49	77	3.5	2.0	360	4.5		
18	11.0	0.0	5.5	100	68	86	3.5	1.0	180	5.0	20.5	
19	11.0	2.5	7.0	100	50	76	3.0	1.5	240	3.5		
20	13.0	-1.0	6.0	100	44	71	1.0	3.0	210	4.0	0.3	
21	13.0	2.5	8.0	100	53	77	4.5	2.0	210	3.0		
22	16.0	5.5	11.0	100	61	82	8.0	0.5	VAR	3.0		
23	16.0	3.5	10.0	100	82	90	8.5	2.0	210	4.5	15.5	
24	8.0	-3.0	2.5	100	39	71	-2.0	2.0	310	4.0	2.9	
25	9.5	-4.0	3.0	100	62	83	0.5	1.0	150	4.0	0.3	
26	9.5	7.0	8.0	100	89	95	7.5	0.5	VAR	2.5	11.5	
27	12.5	8.0	10.0	100	96	98	9.5		C	1.0	22.4	
28	13.0	3.5	8.0	98	68	84	5.5	4.0	360	6.0	19.4	
29	6.5	-0.5	3.0	100	68	83	0.5	0.5	VAR	2.0		
30	10.0	-1.5	4.0	100	56	76	0.0	0.5	VAR	2.5		
31	11.5	-1.5	3.0	100	55	79	1.5	0.5	VAR	1.5		
AVG	12.0	1.7	7.0			80	4.0	1.0	VAR	6.0	117.6 (Total)	

Monthly Max = 20°C

Monthly Min = -4°C

Peak Gust = 16 MPS on 28 Oct

Table All0. Monthly meteorological summary.

November 1981

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Gust	Amt (mm)	Snow Depth (cm)
1	12.0	0.0	6.0	100	68	84	3.5	0.5	VAR	2.5		
2	17.0	1.5	9.0	100	42	71	4.0	2.0	300	4.5		
3	10.5	-2.5	4.0	99	30	62	-2.5	2.5	330	4.5		
4	14.5	-3.0	4.5	99	32	65	-1.5	1.5	360	5.5		
5	10.0	3.0	6.5	100	67	84	1.0	0.5	VAR	2.5		
6	4.0	0.5	2.0	100	60	79	-1.5	3.0	340	4.5	8.0	
7	12.0	-3.0	4.5	100	20	62	-2.0	1.5	360	3.5		
8	11.0	-3.0	4.0	100	60	81	1.0	2.0	360	5.0		
9	4.5	-6.0	-1.0	100	40	71	-5.5	2.0	180	5.0		
10	8.0	0.0	4.0	100	53	75	0.0	1.5	270	4.0		
11	2.0	-7.0	-2.5	100	26	42	-8.5	2.5	360	4.5		
12	7.5	-8.5	-1.0	100	26	63	-7.0	0.5	VAR	2.0	0	
13	10.0	-6.0	2.0	100	38	68	-3.5	0.5	VAR	2.0	0	
14	8.0	-1.0	3.5	100	69	84	1.0	0.5	VAR	2.0	1.0	
15	14.0	7.0	10.5	100	71	86	8.5	0.5	VAR	2.0	4.0	
16	10.0	7.0	8.5	100	86	93	7.5	C	C	0.5	8.0	
17	7.0	2.0	4.5	98	76	87	2.5	1.0	350	3.0	7.0	
18	5.0	2.0	3.5	100	68	85	1.0	1.0	VAR	2.5	0	
19	3.0	2.0	2.5	100	81	90	1.0	1.0	VAR	2.5	9.0	
20	4.0	1.5	3.0	100	64	80	0.0	1.5	240	4.0	8.0	
21	3.5	-1.0	1.5	69	50	56	-6.5	2.0	270	4.5		
22	2.5	-4.0	-1.0	87	44	70	-6.0	1.5	270	3.0		
23	0.5	-7.5	-3.5	100	53	77	-7.0	1.0	360	3.0		
24	-1.0	-7.5	-4.0	100	64	80	-7.0	4.0	030	7.0		
25	0.5	-4.0	-1.5	88	60	72	-6.0	3.5	010	5.5		
26	4.0	-2.0	1.0	100	60	79	-2.0	0.5	VAR	1.5	2.0	
27	4.0	-2.5	1.0	100	53	76	-3.0	2.5	270	4.5		
28	0.0	-2.5	-1.5	96	58	76	-5.0	3.0	360	4.5		
29	0.0	-7.0	-3.5	100	54	75	-2.5	2.5	360	4.0		
30	6.7	-1.9	2.4			76	-1.5	1.5	VAR	7.0	47.0	
AVG											(Total)	

Monthly Max = 17°C

Monthly Min = -8.5°C

Peak Gust = 13 MPS on 2 Nov

Table All1. Monthly meteorological summary.

December 1981

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Gust	Amt (mm)	Snow Depth (cm)
1	-2.0	-9.5	-5.5	100	78	89	-7.0	1.0	200	3.0	6.0	
2	3.0	-2.0	0.5	100	66	82	-2.5	1.0	VAR	2.5	0	
3	1.0	-1.0	0.0	100	94	96	-1.5	0.5	VAR	2.5	0	
4	5.5	-4.0	1.0	100	52	75	-3.0	0.5	VAR	2.5	0	
5	1.0	-4.0	-1.5	99	68	82	-4.5	2.0	360	5.5	0	
6	-1.0	-5.0	-3.0	98	65	81	-6.0	6.0	360	7.5	0	
7	-1.0	-8.5	-5.0	100	71	85	-7.0	2.5	360	4.0	1.5	6.0
8	-3.0	-9.5	-6.5	100	80	89	-8.0	1.5	030	3.5	2.3	5.5
9	-3.0	-5.0	-4.0	100	70	83	-6.5	3.0	360	4.5	1.0	11.5
10	-3.0	-5.5	-4.0	88	59	72	-8.5	3.5	360	5.5	0	12.0
11	1.0	-6.0	-2.5	99	64	81	-5.5	1.5	360	3.0	0.3	12.0
12	0.5	-3.0	-1.5	97	58	76	-5.5	2.5	360	4.5	0	12.0
13	-2.0	-7.5	-4.5	100	62	78	-8.0	2.0	030	4.0	0	12.0
14	-1.0	-11.0	-6.0	100	64	81	-9.0	C	C	1.0	1.9	9.0
15	1.5	-3.0	-1.0	100	78	87	-3.0	C	C	2.0	2.1	16.0
16	1.0	-5.0	-2.0	100	53	76	-5.5	3.0	300	4.0	10.7	33.0
17	-1.0	-11.0	-6.0	100	41	68	-11.0	0.5	VAR	3.0	0.1	28.0
18	-5.5	-9.0	-7.5	100	88	92	-8.5	2.0	030	3.0	3.0	
19	-6.0	-17.0	-11.5	100	53	75	-15.0	1.0	300	3.0	0	
20	-7.5	-25.0	-16.0	100	51	69	-20.5	1.0	300	3.5	0	
21	-5.0	-26.0	-15.5	99	53	70	-20.0	0.5	VAR	2.5	0	29.0
22	1.5	-9.5	-5.5	100	67	83	-8.0	0.5	VAR	3.0	1.1	36.0
23	2.0	-9.0	-3.5	100	70	86	-5.5	1.5	270	4.0	4.0	
24	3.5	-4.5	0.5	100	54	73	-5.0	1.0	210	3.0	0	
25	0.5	-6.0	-3.0	99	52	76	-7.0	0.5	VAR	2.5	0	
26	-1.5	-9.5	-5.5	100	63	82	-8.0	M	M	M	0	
27	-1.5	-10.5	-6.0	100	71	87	-8.0	M	M	M	4.2	
28	2.0	-4.5	-3.0	100	74	95	-3.5	C	C	1.5	1.5	35.0
29	1.0	-17.0	-8.0	100	59	94	-9.0	2.0	360	4.5	6.0	42.0
30	-1.0	-16.5	-9.0	100	48	84	-11.0	0.5	VAR	2.0	0	
31	-6.0	-10.0	-7.0	96	58	80	-10.0	0.5	VAR	2.5	0	
AVG						82	-11.0	1.5	N	7.5	45.7	
Monthly Max = 6.5°C											(Total)	
Monthly Min = -26°C												
Peak Gust = 17 MPS on 6 Dec												

Table A112. Monthly meteorological summary.

January 1982

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Ktly	Amt (mm)	Snow Depth (cm)
1	0.0	-3.0	-1.5	100	69	93	-2.5	1.5	270	3.5	9.5	
2	-1.0	-18.0	-9.5	100	30	61	-15.5	2.5	360	4.5	0.5	
3	-5.5	-19.0	-12.0	100	33	82	-14.5	0.5	VAR	1.5	0	
4	3.5	-5.5	-1.0	100	86	94	-2.0	1.5	180	4.5	24.7	45.0
5	3.5	-13.0	-5.0	100	49	64	-11.0	4.0	270	7.0	0	39.0
6	-5.0	-16.0	-10.5	100	68	93	-13.5	C	C	1.0	0	38.0
7	-1.0	-6.5	-4.0	100	56	81	-8.5	1.5	010	3.5	0	39.0
8	-6.5	-16.5	-11.5	93	40	66	-16.5	1.5	300	4.0	0	38.0
9	-7.0	-17.5	-12.5	100	67	94	-13.5	0.5	VAR	2.0	0	38.0
10	-15.0	-23.0	-19.0	95	44	71	-23.0	1.5	270	4.5	0	38.0
11	-14.5	-23.5	-19.0	96	53	69	-23.5	2.0	210	4.0	T	38.0
12	-13.5	-28.0	-22.0	98	39	77	-25.0	1.5	010	5.0	T	43.0
13	-13.5	-25.5	-19.5	100	50	88	-21.0	1.0	040	2.0	2.2	
14	-9.0	-14.5	-12.0	100	86	96	-12.5	0.5	VAR	2.0	1.0	43.0
15	-5.5	-18.0	-12.0	91	46	77	-15.5	2.0	330	4.0	T	42.0
16	-6.5	-24.5	-15.5	100	48	91	-16.5	0.5	VAR	5.5	0	
17	-10.5	-21.0	-16.0	84	44	58	-22.5	3.5	300	6.0	0	
18	-11.5	-30.0	-21.0	100	44	77	-24.0	1.0	240	3.0	T	37.0
19	-11.0	-28.5	-20.0	100	44	78	-23.0	0.5	VAR	3.0	T	38.0
20	-2.5	-16.0	-9.5	100	48	75	-13.0	2.0	360	4.5	0.3	38.0
21	-11.5	-26.0	-19.0	100	48	67	-23.5	1.5	030	3.5	0	38.0
22	-14.5	-31.0	-23.0	100	41	74	-26.5	1.0	070	3.5	0	37.0
23	-6.0	-26.0	-16.0	100	78	95	-16.5	1.5	220	4.0	10.3	
24	-6.0	-11.5	-9.0	100	53	70	-13.5	3.0	240	5.0	0.6	
25	-11.0	-23.5	-17.0	97	44	62	-22.5	2.5	270	4.5	0	49.0
26	-12.5	-34.0	-23.0	100	48	76	-26.0	1.5	020	3.5	0	49.0
27	-10.0	-32.0	-21.0	100	50	82	-23.5	1.0	050	2.5	0	48.0
28	-2.5	-20.0	-11.5	100	56	85	-13.5	1.0	240	4.0	0	48.0
29	1.0	-14.0	-6.5	100	45	55	-14.0	3.5	300	6.0	0	46.0
30	-1.5	-18.0	-10.0	100	59	95	-10.5	1.0	210	5.5	0	
31	-1.5	-7.0	-3.0	100	48	80	-6.0	3.0	020	4.5	19.5	
AVG	-6.6	-19.7	-13.3			78	-16.5	1.5	NNW	7.0	68.6 (Total)	

Monthly Max = 3.5°C
 Monthly Min = -34°C
 Peak Gust = 16.5 MPH on 5 Jan

Table A113. Monthly meteorological summary.

February 1982

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Ktly	Amt (mm)	Snow Depth (cm)
1	0.0	-11.5	-6.0	100	57	83	-8.5	2.5	280	6.0	4.3	52
2	-2.0	-20.0	-11.0	100	53	82	-13.5	N	N	N	T	51
3	1.0	-2.0	-0.5	100	89	99	-0.5	N	N	N	26.8	50
4	6.5	-8.5	-1.0	100	48	69	-6.0	3.0	360	5.0	0	47
5	-6.0	-14.0	-10.0	100	52	76	-13.5	1.0	030	2.5	1.2	46
6	-0.5	-8.5	-4.5	100	42	65	-10.0	2.5	270	5.5	0.9	46
7	-3.0	-14.5	-9.0	84	34	53	-17.0	2.5	220	6.0	0	52
8	-1.0	-9.5	-10.5	94	48	62	-16.5	2.5	250	4.5	0	46
9	-3.0	-10.0	-11.5	100	91	97	-12.0	C	C	0.5	6.6	52
10	-3.5	-19.5	-11.5	100	39	73	-15.5	1.5	320	5.0	0.7	59
11	-3.5	-25.5	-14.5	100	44	78	-17.5	0.5	VAR	2.5	0	54
12	-0.5	-23.5	-12.0	100	41	77	-15.5	1.0	320	2.5	0	54
13	-3.5	-11.5	-7.5	95	60	86	-9.5	1.5	030	2.5	0	
14	-1.5	-18.5	-10.0	100	40	77	-13.5	1.0	290	3.5	0	
15	4.0	-18.5	-7.0	100	72	91	-8.5	1.0	220	4.0	0	
16	5.0	-6.0	-0.5	100	35	58	-7.5	3.0	360	5.5	0	51
17	-2.5	-13.0	-8.0	93	39	62	-14.0	1.5	050	3.5	0	49
18	2.0	-17.0	-7.5	100	27	66	-13.0	1.0	270	2.0	0	49
19	-1.0	-14.5	-8.0	100	82	99	-8.0	0.5	VAR	1.5	11.1	49
20	3.5	-5.0	-1.0	100	70	90	-2.5	1.5	060	4.0	0.2	53
21	5.0	-3.0	1.0	100	54	72	-3.5	2.0	030	4.0	0	53
22	0.5	-4.5	-2.0	90	62	75	-6.0	3.5	020	4.5	0	53
23	1.5	-9.0	-4.0	100	57	77	-7.5	1.0	340	4.5	T	53
24	0.5	-12.5	-6.0	68	44	55	-13.5	2.5	030	5.5	0	53
25	-8.0	-17.0	-12.5	60	34	46	-21.5	4.0	340	8.0	0	53
26	-4.5	-19.0	-12.0	79	34	49	-20.5	2.5	340	5.0	0	53
27	1.0	-18.5	-9.0	100	38	70	-13.5	1.5	300	4.0	0	
28	-5.0	-17.5	-11.5	100	31	61	-17.5	2.5	010	6.0	0	
AVG	-0.7	-13.3	-8.4			73	-11.5	2.0	WNE	8.0	51.8 (Total)	

Monthly Max = 6.5°C
 Monthly Min = -25.5°C
 Peak Gust = 16.5 MPH on 1 Feb

Table A114. Monthly meteorological summary.

March 1982

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Am't (mm)	Snow Depth
1	-1.0	-25.0	-13.0	100	43	77	-16.0	1.5	210	4.5	1.1	52
2	1.0	-9.0	-4.0	100	39	71	-8.5	2.0	260	6.0	2.1	58
3	-4.0	-18.5	-11.5	100	38	65	-17.0	2.0	360	4.0	0	52
4	-2.5	-26.0	-14.5	100	39	82	-17.0	1.0	220	2.5	4.3	52
5	6.0	-6.0	0.0	100	44	71	-4.5	2.0	270	4.5	2.2	55
6	3.5	-10.0	-3.5	100	44	71	-8.0	1.5	160	3.0	0	
7	2.5	-1.5	0.5	100	88	98	0.0	0.5	VAR	2.0	20.0	
8	-1.5	-14.0	-8.0	100	49	75	-11.5	2.5	300	4.5	1.8	62
9	-4.0	-16.5	-10.5	100	52	88	-12.0	0.5	VAR	3.0	1.5	60
10	2.0	-11.0	-4.5	100	60	84	-6.5	1.0	210	3.5	0.7	62
11	7.0	-1.0	3.0	100	76	89	1.5	1.0	240	2.5	0	61
12	8.0	0.5	4.5	100	83	98	4.0	C	C	1.5	1.4	55
13	4.5	-1.0	2.0	100	86	98	1.5	1.5	210	3.5	5.5	52
14	5.0	-1.5	2.0	100	41	59	-5.0	4.0	290	7.0	0.3	50
15	4.5	-5.0	-0.5	66	27	40	-12.5	3.0	340	5.0	0	47
16	10.0	-10.0	0.0	100	24	61	-6.5	0.5	VAR	2.5	0.2	45
17	4.5	-3.5	0.5	100	69	93	-0.5	0.5	VAR	2.0	2.8	45
18	11.0	-5.0	3.0	100	31	74	-1.0	0.5	VAR	1.5	0	44
19	9.0	-0.5	4.5	100	34	74	0.5	1.0	060	2.5	0	42
20	10.0	-3.0	3.5	100	35	73	-1.0	0.5	VAR	2.5	0	41
21	3.5	-5.0	-2.0	100	56	92	-3.0	1.0	190	3.0	6.3	40
22	6.5	-2.0	2.5	100	41	71	-2.0	1.5	300	3.5	0.8	38
23	7.5	-4.5	1.5	100	34	69	-3.5	1.5	300	4.0	T	37
24	12.5	-7.0	3.0	100	35	67	-2.5	1.0	220	3.5	0	35
25	16.5	-2.0	7.5	100	42	74	3.0	1.0	240	3.5	0	31
26	6.5	-3.0	2.0	100	68	91	.5	2.5	220	4.0	11.0	19
27	-3.0	-8.5	-6.0	84	36	48	-13.5	4.5	300	6.5	0	18
28	0.0	-10.0	-5.0	82	24	46	-16.5	3.0	310	6.5	0	17
29	9.5	-12.0	-1.5	100	31	67	-7.0	1.0	270	3.0	0	16
30	16.0	-6.0	5.0	100	23	67	-0.5	0.5	VAR	2.0	0	12
31	8.0	-1.0	3.5	100	77	87	3.0	0.5	VAR	3.0	7.3	2
AVG	4.3	-7.4	-1.0			75	-5.5	1.5	VAR	7.0	69.3 (Total)	

Monthly Max = 16.5°C
Monthly Min = -26°C
Peak Gust = 16 MPS on 28 Mar

Table A115. Monthly meteorological summary.

April 1982

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Hrly	Am't (mm)	Snow Depth (cm)
1	9.5	0.0	5.0	98	44	60	-2.0	4.0	260	5.5	0.4	0
2	5.0	-4.0	0.5	97	36	59	-6.5	3.5	360	7.0	0	
3	6.0	-6.0	0.0	100	44	85	-2.5	2.0	180	4.5	8.9	
4	3.0	-5.5	-1.0	100	50	67	-6.5	3.0	270	6.0	1.5	
5	2.0	-9.0	-3.5	73	34	49	-13.0	3.5	350	6.0	.5	
6	-6.5	-9.5	-8.0	100	51	80	-11.0	4.0	020	7.0	5.9	
7	-3.5	-12.0	-9.0	78	52	63	-15.0	6.0	340	8.0	.6	28
8	1.5	-7.5	-3.0	58	34	47	-13.0	4.0	300	7.0	T	25
9	8.0	-9.0	-0.5	85	30	47	-10.5	1.5	330	3.0	0	22
10	8.5	-6.0	3.0	100	37	62	-3.5	2.0	290	5.0	0	
11	12.0	-4.0	4.0	100	36	73	-0.5	1.5	260	2.5	.9	
12	8.0	-3.0	2.5	100	50	81	-0.5	1.0	330	3.0	2.7	5
13	8.0	-3.0	2.5	100	63	89	1.0	1.5	240	4.5	2.0	0
14	10.0	-1.5	4.5	87	30	52	-4.5	3.0	330	5.5	0.1	
15	15.0	-4.0	5.5	100	24	64	-0.5	0.5	VAR	3.0	0	
16	20.0	3.0	11.5	100	30	65	5.0	1.5	220	4.0	0	
17	16.0	1.0	8.5	100	74	91	7.0	2.0	220	5.0	6.1	
18	13.0	0.0	6.5	100	41	56	-1.5	4.0	270	6.5	5.7	
19	16.5	-4.0	6.5	99	30	59	-1.0	1.5	240	4.0	0	
20	21.0	-0.5	10.5	100	32	53	1.5	3.0	310	6.0	0	
21	12.0	0.5	6.5	100	42	58	-1.0	3.5	270	6.5	0.4	
22	4.0	-4.5	-0.5	100	30	54	-7.5	2.0	310	4.0	0	
23	17.0	-6.0	5.5	100	30	54	-3.0	2.5	240	4.5	0	
24	20.0	3.5	12.0	100	38	68	6.5	1.0	040	3.0	0	
25	24.5	-1.0	12.0	100	24	59	4.5	1.5	240	4.0	0	
26	20.0	4.0	12.0	100	52	85	9.5	1.5	210	4.0	5.5	
27	20.5	8.0	14.5	100	57	81	11.0	2.0	360	5.5	4.0	
28	13.0	1.0	7.0	84	31	54	-1.5	5.0	010	7.5	0	
29	16.5	-2.5	7.0	100	29	61	0.0	2.0	350	5.5	0	
30	20.5	-1.5	9.5	100	23	55	1.0	2.0	350	6.0	0	
AVG	11.3	-2.8	4.5			65	-2.0	2.5	MMW	8.0	45.5 (Total)	

Monthly Max = 24.5°C
Monthly Min = -12°C
Peak Gust = 21.5 MPS on 7 Apr.

Table A116. Monthly meteorological summary.

May 1987												
Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Gusty	Amt (mm)	Snow Depth
1	21.0	1.5	11.5	100	24	61	4.5	2.0	340	5.0	0	
2	21.0	0.5	11.0	100	27	74	6.5	0.5	VAR	3.5	0.5	
3	19.0	2.5	11.0	100	38	76	7.0	1.0	VAR	3.0	T	
4	15.5	3.5	9.5	100	33	68	4.0	1.5	050	3.5		
5	22.5	-1.0	11.0	100	25	62	4.0	1.0	050	4.0		
6	25.5	1.5	13.5	100	26	62	6.5	0.5	VAR	2.0		
7	26.5	8.0	17.5	100	34	55	8.5	1.5	240	3.0		
8	27.5	8.0	18.0	100	40	62	10.5	1.5	250	2.5		
9	18.5	10.5	14.5	100	70	90	13.0	1.5	360	4.5	6.7	
10	15.0	8.0	11.5	80	50	63	5.0	4.5	020	6.0	0.1	
11	19.5	3.0	11.5	100	37	67	5.5	2.5	050	4.0		
12	21.5	4.0	13.0	100	42	76	9.0	1.0	070	2.5		
13	21.5	6.5	14.0	100	39	70	8.5	2.0	040	4.0		
14	19.0	3.0	11.0	100	40	65	4.5	3.0	030	5.5		
15	24.5	2.5	13.5	100	34	67	7.5	M	M	M		
16	22.5	5.5	14.0	100	44	76	10.0	0.5	VAR	3.0		
17	23.0	5.5	14.5	100	16	58	6.5	1.5	350	4.5	0	
18	24.0	3.5	14.0	100	21	58	4.0	0.5	VAR	1.5	0	
19	29.5	10.5	20.0	100	51	87	18.0	1.5	240	4.5	13.0	
20	24.5	13.5	19.0	100	51	77	15.0	1.5	270	4.0	2.8	
21	18.0	4.0	11.0	99	34	62	4.0	2.5	020	5.0		
22	20.5	3.0	12.0	100	40	68	6.5	1.0	VAR	3.0		
23	13.0	7.5	10.5	100	59	81	7.5	1.5	180	3.5		
24	10.0	5.5	8.0	94	75	95	7.5	1.0	VAR	2.0	10.9	
25	22.0	8.5	15.5	100	60	87	13.5	1.0	VAR	2.5		
26	29.0	7.5	18.5	100	40	79	15.0	0.5	VAR	2.5		
27	30.0	10.0	20.0	100	41	72	15.0	1.0	VAR	3.5		
28	26.5	10.5	18.5	100	54	78	14.5	1.5	150	3.5		
29	18.0	14.5	16.5	100	95	100	16.5	0.5	VAR	1.5	0.3	
30	24.0	15.5	20.0	100	80	97	19.5	1.0	080	2.0		
31	22.0	16.5	19.5	100	87	98	19.0	0.5	VAR	1.5	1.0	
AVG	21.8	6.6	14.5			74	9.5	1.5	VAR	6.0 max	35.9 (Total)	
Monthly Max = 30°C												
Monthly Min = -1°C												
Peak Gust = 16.5 MPS on 19 May												

Table A117. Monthly meteorological summary.

June 1982												
Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Max Gusty	Amt (mm)	Snow Depth
1	22.5	17.0	20.0	100	88	98	19.5	1.5	210	3.5	15.5	
2	22.5	9.5	16.0	100	50	87	14.0	1.5	340	4.0		
3	19.5	7.5	13.5	100	M	M	M	1.0	360	1.0		
4	20.5	8.0	14.5	100	58	80	11.0	1.5	150	3.5		T
5	14.0	12.5	13.5	100	96	100	13.5	1.5	090	1.0	5.9	
6	17.0	12.5	15.0	100	78	97	14.5	2.0	360	4.0	14.0	
7	16.0	12.0	14.0	100	63	92	12.5	1.5	360	4.0	0.9	
8	24.5	11.5	18.0	100	45	77	14.0	1.0	360	3.0		
9	27.0	11.0	19.0	100	37	71	13.5	0.5	090	3.0		
10	28.5	8.0	18.0	100	44	72	13.0	1.0	VAR	3.0		
11	23.5	9.0	16.0	100	52	78	12.0	1.0	180	3.5		
12	21.5	11.0	16.0	100	68	84	13.5	1.5	150	4.0		
13	11.0	9.0	10.0	100	96	100	10.0	2.0	090	4.0	7.9	
14	20.5	9.0	15.0	100	73	89	13.0	0.5	VAR	1.0	0.6	
15	26.0	17.0	18.5	100	59	88	16.5	1.0	180	2.5		
16	26.0	17.0	21.5	100	66	85	19.0	1.5	200	3.5	4.0	
17	25.0	15.0	20.0	100	65	88	18.0	1.0	350	3.5	14.0	
18	25.5	13.5	19.5	100	57	83	16.5	1.0	270	3.5		
19	26.0	13.5	19.5	100	64	85	17.0	2.0	090	4.0	8.0	
20	21.0	14.0	17.5	100	58	73	12.5	2.5	230	5.0	0.5	
21	21.0	9.0	15.0	100	68	83	12.0	1.5	180	4.0	3.0	
22	25.0	12.0	18.5	100	56	80	15.0	1.0	VAR	2.0	0.5	
23	20.0	11.0	15.5	100	70	94	14.5	1.0	250	2.5	14.7	
24	23.0	9.0	16.0	100	50	79	12.4	1.5	270	3.5	0.4	
25	24.0	11.0	17.5	100	63	92	16.2	1.0	VAR	2.0		
26	23.5	16.5	21.0	100	63	93	18.9	0.5	VAR	1.5	1.0	
27	26.0	8.0	17.0	100	64	93	14.5	1.0	180	2.5		
28	29.0	14.0	21.5	100	55	85	19.0	1.0	180	2.0		
29	22.5	18.0	20.0	100	52	86	20.0	1.0	VAR	2.5	24.0	
30	24.0	13.0	18.5	100	94	100	14.1	1.5	250	4.0	1.0	
AVG	22.5	11.8	17.2			86	14.8	1.5	S6NW	5.0	115.9mm (Total)	
Monthly Max = 29.0												
Monthly Min = 7.5												
Peak Gust = 13.5 MPS on 2 June												

Table A118. Monthly meteorological summary.

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Mix Hrly	Amt (mm)	Snow Depth
1	21.0	9.0	15.0	100	44	72	10.0	2.5	290	5.0		
2	21.5	8.0	16.0	100	52	75	11.5	2.5	200	5.0	2.7	
3	22.5	9.0	16.0	100	48	79	12.5	1.0	310	2.5	0.2	
4	22.0	7.0	14.5	100	44	75	10.0	1.5	320	4.5		
5	27.0	7.5	17.0	100	43	74	12.5	1.0	250	2.5		
6	30.0	10.0	20.0	100	54	82	17.0	1.0	220	3.5		
7	32.5	15.0	24.0	100	59	84	16.0	1.5	200	3.5		
8	31.5	18.0	25.0	100	54	79	21.0	2.0	240	3.5		
9	29.0	15.5	22.0	100	44	72	16.5	1.5	250	4.0		
10	30.0	13.5	22.0	100	45	78	18.0	1.0	350	3.0		
11	30.0	13.5	22.0	100	57	77	18.0	2.5	160	5.0		
12	28.5	16.5	22.5	100	75	91	21.0	2.0	200	4.5	3.0	
13	29.5	15.0	22.0	100	48	78	18.0	1.5	270	3.5		
14	30.5	14.0	22.0	100	53	80	18.5	1.0	VAR	2.5		
15	30.0	15.0	22.5	100	61	90	20.5	1.0	220	2.5	2.0	
16	33.0	19.0	26.0	100	47	83	23.0	1.0	260	2.0		
17	31.0	18.5	26.0	100	49	82	22.5	1.5	210	4.5		
18	34.0	22.0	28.0	100	56	82	24.5	2.0	220	3.5		
19	32.5	21.0	27.0	100	57	86	24.5	2.0	250	4.0		
20	21.0	14.0	17.5	100	80	99	17.5	2.0	040	4.0	2.5	
21	26.5	11.5	19.0	100	67	77	15.0	3.0	020	6.0		
22	26.5	12.0	19.0	100	67	78	15.0	2.5	360	7.0		
23	26.5	13.0	20.0	100	44	79	16.0	2.5	350	6.0		
24	29.0	10.0	19.5	100	42	78	15.5	1.5	350	3.5		
25	29.0	12.5	21.0	100	54	84	18.0	1.5	220	3.5		
26	30.5	16.5	23.5	100	46	71	18.0	3.0	360	6.0		
27	27.5	13.0	20.0	100	52	80	16.5	1.5	360	4.5		
28	28.5	17.0	23.0	100	100	100	23.0	1.0	150	3.5	14.0	
29	25.5	13.5	19.5	100	54	85	17.0	3.0	300	5.5	0.3	
30	28.5	11.5	20.0	100	44	79	16.0	2.0	210	4.5		
31	28.5	12.5	20.5	100	57	89	18.5	2.0	220	4.5		
AVG	28.3	13.7	21.0			79	17.5	2.0	SW	7.0	24.7mm (Total)	

Monthly Max = 34.0
Monthly Min = 7.0
Peak Gust = 15.5 MPS on 2 July

Table A119. Monthly meteorological summary.

Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg. Speed	Dir	Mix Hrly	Amt (mm)	Snow Depth
1	27.5	17	22.5	100	56	86	20.0	1.5	310	3.5		
2	23.5	16	20.0	100	77	97	19.5	2.0	040	5.0	0.5	
3	25.0	15.5	20.0	100	46	80	16.0	2.0	060	3.0	0.5	
4	29.0	14.5	22.0	100	53	83	19.0	2.0	220	4.0	1.6	
5	24.5	14.5	19.5	100	68	91	18.0	2.0	350	5.5	3.2	
6	24.5	13.0	19.0	100	55	85	16.5	1.0	040	2.5	T	
7	29.0	13.0	21.0	100	47	83	18.0	1.0	220	2.5		
8	30.5	15.5	23.0	100	55	91	21.5	1.0	140	5.0	5.3	
9	25.0	19.0	22.0	100	91	99	22.0	1.5	180	4.0	2.7	
10	26.5	19.5	23.0	100	56	82	19.5	2.5	240	5.0	12.3	
11	23.5	14.0	19.0	100	55	81	15.5	2.0	240	4.5	T	
12	25.0	11.0	18.0	100	47	85	15.5	2.0	030	4.0	T	
13	20.0	13.5	17.0	100	75	95	16.0	1.5	040	3.5	33.6	
14	23.5	12.5	18.0	100	55	92	16.5	1.5	180	3.5	1.6	
15	27.0	12.0	19.5	100	55	82	16.5	2.0	330	4.5	T	
16	30.0	13.5	22.0	100	48	82	18.5	1.0	250	3.0		
17	28.5	15.5	22.0	100	53	83	19.0	2.0	210	4.5	T	
18	25.0	12.0	18.5	100	45	82	15.5	1.0	290	3.5		
19	27.0	11.0	19.0	100	48	81	15.5	2.0	210	4.0		
20	26.5	15.0	21.0	100	64	88	19.0	2.5	220	5.0	4.8	
21	15.0	8.0	11.5	100	54	76	7.5	3.5	340	6.0		
22	21.5	6.0	14.0	100	47	75	9.5	1.5	290	3.5	0.5	
23	24.0	12.0	18.0	100	67	89	16.0	2.0	200	5.5	T	
24	27.0	16.0	21.5	100	51	82	18.5	2.0	330	4.0	0.3	
25	19.5	15.0	17.0	100	74	95	16.0	3.0	240	8.0	3.6	
26	26.0	11.5	19.0	100	52	77	15.0	2.5	250	4.0		
27	28.5	13.5	21.0	100	45	81	17.5	3.0	210	6.0	0.8	
28	19.5	7.0	13.0	100	42	77	9.0	2.0	290	6.0		
29	18.0	4.5	11.0	100	49	80	7.5	2.0	290	5.0		
30	23.0	6.0	14.5	100	46	74	10.0	2.5	200	5.0		
31	25.0	13.5	19.0	100	24	81	15.5	2.5	210	4.0	1.0	
AVG	24.7	12.9	19.0			84	16.0	2.0	SWNW	8.0	72.3 (Total)	

Monthly Max = 30.5
Monthly Min = 4.5
Peak Gust = 15.5 MPS on 25 Aug

Table A120. Monthly meteorological summary.

September 1982												
Date	Temperature (°C)			Rel Hum %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg Speed	Dir	Max Hrly	Amt	Snow Depth
											(mm)	
1	16.5	13.0	15.0	100	82	95	14.0	2.5	150	3.5	1.0	
2	29.0	13.0	21.0	100	69	94	20.0	1.5	210	4.0	1.8	
3	24.0	13.0	18.5	100	51	78	14.5	2.5	220	5.5	6.8	
4	21.0	9.0	15.0	100	53	82	12.0	2.0	290	4.5	8.4	
5	25.0	8.0	16.5	100	51	84	14.0	1.5	200	4.0	0	
6	28.0	10.0	19.0	100	47	82	16.0	3.0	340	6.0	0	
7	21.5	9.0	15.5	100	53	83	12.5	2.5	350	5.5	0	
8	21.0	9.5	15.5	100	55	86	13.0	1.0	210	3.5	0	
9	26.0	8.5	17.5	100	46	83	14.5	2.0	200	4.0	0	
10	29.5	10.5	20.0	100	49	83	17.0	1.0	260	3.5	0	
11	30.0	12.5	21.5	100	50	86	19.0	0.5	VAR	2.0	0	
12	31.0	14.0	22.5	100	43	84	19.5	0.5	270	2.0	0	
13	31.0	15.0	23.0	100	45	86	20.5	1.0	270	3.5	0	
14	29.0	16.0	22.5	100	50	88	20.5	1.0	200	4.0	0	
15	18.5	15.5	17.0	100	100	100	17.0	1.0	020	2.5	5.3	
16	18.0	13.0	15.5	100	96	100	15.5	1.0	180	2.0	T	
17	14.5	6.0	10.5	100	66	84	8.0	2.5	340	5.0	0	
18	19.5	5.0	12.5	100	63	90	11.0	1.0	VAR	2.5	0	
19	17.5	5.0	11.5	100	58	85	9.0	1.5	040	3.5	0	
20	18.0	6.0	12.0	100	67	94	11.0	1.0	210	3.0	3.3	
21	19.0	11.5	15.5	100	70	91	14.0	1.0	030	3.5	1.0	
22	19.5	12.0	14.0	100	87	98	13.5	1.5	010	3.5	0.8	
23	15.0	11.5	13.5	100	95	100	13.5	2.0	200	3.0	5.3	
24	22.0	9.5	16.0	100	58	86	13.5	2.0	230	3.5	0	
25	23.0	10.0	16.5	100	59	93	15.5	1.0	360	2.0	T	
26	16.0	12.0	14.0	100	57	91	14.5	1.5	130	3.5	T	
27	20.5	14.0	17.5	100	100	100	14.0	1.0	VAR	3.0	10.8	
28	19.5	13.0	16.5	100	73	93	16.5	2.0	340	3.0	0	
29	19.5	13.0	16.5	100	76	94	15.5	1.5	200	3.0	0	
30	19.5	11.5	15.5	100	72	95	14.5	1.0	VAR	2.0	0	
AVG	22.1	10.9	16.5			90	15.0	1.5	SSW	6.0	TOTAL = 44.5	

Monthly Max 31.0
Monthly Min 5.0
Peak Gust = 12.5 mps 4 Sept

Table A121. Monthly meteorological summary.

October 1982												
Date	Temperature (°C)			Rel. Hum. %			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	24.0	11.0	17.5	100	60	89	15.5	2.5	340	6.0		
2	15.5	5.0	10.5	100	64	78	7.0	4.0	350	6.5	T	
3	21.0	4.5	13.0	100	58	88	11.0	1.5	210	3.0		
4	20.0	6.0	13.0	100	55	84	10.5	1.5	320	4.5		
5	23.0	5.5	14.5	100	53	87	12.5	0.5	VAR	2.0		
6	23.5	7.5	15.5	100	55	91	14.0	0.5	050	2.5		
7	17.5	8.0	13.0	100	65	89	11.0	2.5	130	4.5	14.5	
8	14.0	10.0	12.0	100	97	100	12.0	1.5	200	2.5	18.0	
9	12.5	8.0	10.5	100	79	96	10.0	1.5	040	3.0	5.1	
10	14.0	4.5	9.5	100	53	84	7.0	1.0	020	2.5		
11	17.0	1.0	9.0	100	43	85	6.5	1.0	VAR	2.5		
12	15.0	3.0	9.0	100	61	88	7.0	0.5	VAR	2.0		
13	12.0	8.0	10.0	100	99	100	10.0	C	C/VAR	1.5	0.8	
14	16.0	8.0	12.0	100	61	91	10.5	1.0	VAR	2.0	1.0	
15	14.5	6.0	10.5	100	66	88	8.5	3.0	200	5.5	1.8	
16	9.0	3.0	6.0	100	69	92	5.0	1.5	270	3.5	0.3	
17	7.5	4.5	6.0	90	69	74	1.5	3.0	300	4.5		
18	11.5	-0.5	5.5	100	57	86	3.5	1.5	200	3.0		
19	19.5	0.5	10.0	100	46	86	8.0	0.5	VAR	2.5		
20	20.5	1.5	11.0	100	62	84	8.5	2.5	190	5.0	T	
21	14.0	5.5	10.0	100	51	70	5.0	3.5	230	5.5	0.3	
22	6.0	-1.5	2.5	100	65	79	-1.0	2.5	340	4.5		
23	9.5	-1.5	4.0	100	50	80	1.0	2.0	210	3.5		
24	11.5	-2.5	4.5	100	40	83	2.0	1.0	060	3.0		
25	10.5	-4.0	3.5	100	54	87	1.5	0.5	VAR	1.5		
26	16.0	1.0	8.5	100	51	83	6.0	1.0	030	3.0		
27	16.0	0.0	8.0	100	53	91	6.5	C	C/VAR	1.0		
28	17.0	0.0	8.5	100	57	90	7.0	0.5	030	2.0		
29	21.0	1.5	11.5	100	38	79	8.0	0.5	250	2.0		
30	21.0	4.0	12.5	100	52	84	10.0	1.0	220	3.0		
31	18.5	5.5	12.0	100	66	90	10.5	0.5	VAR	3.0		
AVG	15.8	3.6	9.8			86	7.5	1.5	VAR/SSW	6.5	41.8	

Monthly Max 24.0°C
Monthly Min -4.0°C
Peak Gust 13.5 mps on 2 Oct

Table A122. Monthly meteorological summary.

November 1982												
Date	Temperature (°C)			Rel. Hum. &			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	14.5	11.0	12.5	100	94	100	12.5	2.0	350	4.0	2.2	
2	17.0	9.5	13.0	100	86	98	12.5	1.0	060	6.0	2.8	
3	21.5	9.5	15.5	100	82	98	15.0	0.5	230	5.0	T	
4	22.5	14.0	18.5	100	82	93	17.5	4.0	180	10.0	18.0	
5	19.5	1.5	10.5	100	64	87	8.5	5.0	160	8.0	30.0	
6	7.5	1.0	4.5	100	57	65	-1.5	M	250	9.0	0	
7	13.5	-0.5	6.5	100	56	72	2.0	M	240	9.0	0	
8	14.0	-0.5	6.5	100	58	75	2.5	M	270	8.0	0	
9	10.5	3.0	7.0	99	59	65	1.0	M	330	10.0	0	
10	7.0	-3.0	2.0	100	52	76	-2.0	2.0	340	6.0	0	
11	9.5	-4.5	2.5	100	54	80	-0.5	4.5	200	11.0	T	
12	18.0	7.0	12.5	100	75	91	11.0	1.5	190	15.0	5.5	
13	15.5	1.0	8.5	100	62	78	5.0	M	330	9.0	12.3	
14	4.0	-1.0	1.5	79	53	67	-4.0	M	330	4.5	0	
15	6.5	-1.0	3.0	100	52	77	-0.5	5.0	310	11.0	0.5	T
16	6.5	-4.0	1.5	92	46	70	-3.5	M	200	5.5	0	
17	10.5	-2.5	4.0	93	54	81	1.0	M	200	5.5	0	
18	9.0	-4.0	2.5	100	58	92	1.5	0.5	CALM	2.0	0	
19	8.5	-4.0	2.5	100	57	84	0.0	1.0	L/V	4.0	0	
20	7.0	4.0	5.5	92	79	82	2.5	2.0	180	4.0	0	
21	10.0	6.0	8.0	100	86	94	7.0	1.0	200	8.0	0.5	
22	12.0	9.0	10.5	100	100	100	10.5	0.5	L/V	2.5	10.5	
23	14.0	10.0	12.0	100	94	100	12.0	1.0	CALM	2.5	3.0	
24	12.0	2.5	5.0	100	62	82	2.0	5.5	330	11.5	1.0	T
25	4.0	-4.0	0.0	83	63	70	-5.0	3.0	250	6.5	0	
26	3.5	-0.5	1.5	100	70	94	0.5	1.5	180	4.5	2.0	2.5
27	1.0	-10.5	-5.0	100	49	72	-9.0	M	330	7.5	T	
28	0.5	11.0	-5.5	100	63	84	-8.0	1.0	200	5.0	4.2	
29	7.0	0.5	4.0	100	90	100	4.0	0.5	L/V	3.5	1.5	
30	6.0	4.0	5.0	100	99	100	5.0	1.0	L/V	2.5	0	
AVG	10.4	1.1	5.9			84.2	3.3	1.5	NNW	15.0	96.0	
Monthly Max	22.5°C											
Monthly Min	-11.0°C											
Peak Gust												

Table A123. Monthly meteorological summary.

December 1982												
Date	Temperature (°C)			Rel. Hum. &			Mean Dew Point	Wind			Precipitation	
	Max	Min	Avg	Max	Min	Mean		Avg Speed	Dir	Max Hrly	Amt (mm)	Snow Depth
1	8.6	0.0	4.3	97	84	94	3.5	0.9	200	5.0	0	0
2	10.7	0.1	5.4	99	83	96	4.7	L/V	L/V	9.0	0	0
3	11.1	2.5	6.8	96	82	90	5.3	1.7	210	9.0	0	0
4	18.2	2.4	10.3	93	34	73	5.7	3.2	200	10.0	0.2	0
5	7.9	-0.4	3.8	95	64	84	1.4	M	L/V	3.0	0.3	0
6	16.6	6.9	11.8	95	45	77	8.0	5.0	230	10.0	2.5	0
7	11.2	0.4	5.8	100	35	48	-4.3	M	270	10.0	0.2	0
8	4.4	-3.0	0.7	95	43	56	-7.0	M	340	4.0	0	0
9	-0.5	-17.2	8.9	92	43	67	3.1	M	350	11.0	1.0	1.0
10	-6.7	-17.5	-12.1	100	78	88	-13.7	1.5	230	3.0	0.8	T
11	1.6	-9.5	4.0	97	50	77	0.3	3.8	340	8.0	0	T
12	-7.2	-12.1	9.7	82	47	61	2.5	3.4	350	8.0	0	T
13	-12.1	-19.9	-16.0	88	61	76	-19.3	1.9	L/V	3.5	0.2	T
14	-2.1	-16.9	-9.5	95	7	75	-13.1	2.0	L/V	3.5	0	T
15	0.9	-4.7	-1.9	79	60	76	-5.5	0.7	CALM	2.0	0.2	T
16	11.9	-0.2	-5.9	98	80	92	-7.0	1.5	230	11.0	13.8	0
17	4.2	-10.6	-3.2	75	32	61	-9.6	M	020	9.0	0.2	T
18	-4.1	-15.0	-9.6	95	44	78	-12.7	L/V	L/V	3.0	0	T
19	-2.5	-12.7	-7.6	94	77	86	-9.5	1.1	L/V	3.0	0	T
20	-1.7	-4.0	-2.9	100	82	92	-4.0	1.2	340	2.5	3.5	9.0
21	-1.0	-8.9	-5.0	97	67	86	-7.0	0.9	300	6.0	0.5	6.0
22	-2.3	-13.2	-7.8	100	62	89	-9.3	0.7	L/V	5.5	0.3	3.0
23	-1.6	-12.9	-7.3	100	76	96	-7.8	1.1	L/V	2.5	1.0	3.0
24	0.6	-1.8	-0.6	100	94	98	-0.8	M	CALM	2.0	3.9	2.0
25	5.6	-0.0	2.8	100	100	100	2.8	1.2	210	4.5	0.1	1.0
26	15.8	-2.0	6.9	100	51	71	2.0	M	320	13.5	1.8	T
27	1.9	-7.1	-2.6	84	56	80	-5.5	0.8	L/V	3.0	0.2	T
28	12.7	-0.3	6.2	100	100	100	6.2	1.5	190	13.7	2.4	T
29	14.9	-0.4	7.3	93	64	68	1.8	M	250	9.0	0.8	0
30	2.0	-5.5	-1.8	95	55	68	-7.0	M	250	7.5	2	T
31	-2.0	-9.1	-5.6	100	58	80	-8.5	0.8	170	3.0	T	T
AVG	3.8	-6.2	-0.2			80.1	-3.4	1.7	NN&VAR	13.7	13.9	
Monthly Max	18.2°C											
Monthly Min	-19.9°C											
Peak Gust												

END

FILMED

1-85

DTIC